

CITY OF SOMERVILLE

MASSACHUSETTS

# ANNUAL REPORTS

1898



BOSTON:  
AMERICAN PRINTING AND ENGRAVING CO.  
50 Arch Street.  
1899.





CITY GOVERNMENT AND OFFICERS  
FOR 1898.



# CITY GOVERNMENT AND OFFICERS FOR 1898.

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## MAYOR.

ALBION A. PERRY.  
366 Broadway.

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## BOARD OF ALDERMEN.

### WARD ONE.

|                             |                   |
|-----------------------------|-------------------|
| L. HERBERT HUNTLEY . . . .  | 1 Pearl street.   |
| FRANK DEWITT LAPHAM . . . . | 3 Hathorn street. |

### WARD TWO.

|                               |                   |
|-------------------------------|-------------------|
| JAMES F. DAVLIN . . . . .     | 15 Kingman court. |
| FRENCH O. J. TARBOX . . . . . | 60 Oak street.    |

### WARD THREE.

|                               |                  |
|-------------------------------|------------------|
| ANDREW A. LAMONT . . . . .    | 43 Heath street. |
| FREDERICK M. KILMER . . . . . | 420 Broadway.    |

### WARD FOUR.

|  |                 |
|--|-----------------|
| JOHN N. BALL, <i>President</i> . . . . . | 690 Broadway.   |
| SILAS L. CUMMINGS . . . . .              | 251 Elm street. |

## CLERK.

GEORGE I. VINCENT.

Regular meetings, second, third and fourth Wednesday evenings of each month.

**COMMON COUNCIL.****WARD ONE.**

|                               |                     |
|-------------------------------|---------------------|
| FRANK B. BURROWS . . . .      | 29 Mystic avenue.   |
| ORICE M. GRACEY . . . .       | 23 Webster street.  |
| ROBERT BURNS . . . .          | 21 Lincoln street.  |
| WILLARD P. P. THOMSON . . . . | 33 Pinckney street. |

**WARD TWO.**

|                           |                     |
|---------------------------|---------------------|
| JAMES W. KENNEY . . . .   | 4 Concord avenue.   |
| ARTHUR D. OSBORNE . . . . | 8 Hillside park.    |
| DAVID D. LORD . . . .     | 18 Aldersey street. |
| ARTHUR P. VINAL . . . .   | 36 Walnut street.   |

**WARD THREE.**

|   |                     |
|---|---------------------|
| FRANCIS M. WILSON, <i>President</i> . . . . | 103 Cross street.   |
| ARTHUR W. BERRY . . . .                     | 53 Hudson street.   |
| WILLIAM H. CUSHMAN . . . .                  | 6 Evergreen avenue. |
| CHARLES A. GRIMMONS . . . .                 | 72 Thurston street. |

**WARD FOUR.**

|                          |                     |
|--------------------------|---------------------|
| ISAAC M. STORY . . . .   | 238 Summer street.  |
| DAVID W. CROCKER . . . . | 53 Winslow avenue.  |
| JOHN F. FOSTER . . . .   | 25 Kingston street. |
| PAUL J. SMITH . . . .    | 79 Irving street.   |

**CLERK.**

CHARLES S. ROBERTSON.

Regular meetings, Thursday evenings next following the second, third and fourth Wednesdays of each month.

**JOINT STANDING COMMITTEES OF THE CITY COUNCIL.**

ACCOUNTS. — Aldermen Lamont and Tarbox ; Councilmen Grimmons, Thomson and Osborne.

CITY ENGINEERING. — Aldermen Lapham and Lamont ; Councilmen Berry, Kenney and Crocker.

CLAIMS. — His Honor the Mayor, Alderman Lapham ; the President of the Common Council, Councilmen Thomson and Smith.

ELECTRIC LINES. — Aldermen Ball, Huntley and Davlin ; Councilmen Story and Vinal.

FINANCE. — His Honor the Mayor, Aldermen Kilmer and Huntley ; the President of the Common Council, Councilmen Kenney, Story, Gracey and Foster.

FIRE DEPARTMENT. — Aldermen Huntley and Lamont ; Councilmen Burrows, Vinal and Foster.

FUEL AND STREET LIGHTS. — Aldermen Davlin and Lamont ; Councilmen Cushman, Story and Kenney.

HIGHWAYS. — Aldermen Lapham and Davlin ; Councilmen Gracey, Grimmons and Crocker.

LEGISLATIVE MATTERS. — His Honor the Mayor, Alderman Kilmer ; the President of the Common Council, Councilmen Lord and Foster.

ORDINANCES. — Aldermen Tarbox and Cummings ; Councilmen Story, Thomson and Berry.

PRINTING. — Aldermen Davlin and Cummings ; Councilmen Osborne, Grimmons and Burns.

PUBLIC GROUNDS. — Aldermen Ball and Kilmer ; Councilmen Burrows, Smith and Osborne.

PUBLIC PROPERTY. — Aldermen Cummings and Kilmer ; Councilmen Berry, Lord and Burns.

SOLDIERS' RELIEF. — Aldermen Davlin and Cummings ; Councilmen Burrows, Vinal and Cushman.

WATER. — Aldermen Huntley and Tarbox ; the President of the Common Council, Councilmen Lord and Gracey.

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#### STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS AND RETURNS. — Aldermen Cummings, Davlin and Kilmer.

ENROLLED ORDINANCES AND RESOLUTIONS. — Aldermen Kilmer, Huntley and Ball.

LICENSES. — Aldermen Tarbox, Cummings and Huntley.

POLICE. — His Honor the Mayor, Aldermen Ball and Lapham.

SEWERS. — Aldermen Lamont, Ball and Tarbox.

SPECIAL BUILDING PERMITS. — Aldermen Lapham and Huntley.

STATE AID. — Aldermen Tarbox, Lapham, Lamont and Bail.

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### STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Gracey, Crocker and Cushman.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Berry, Vinal and Smith.

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### SCHOOL COMMITTEE.

ALBION A. PERRY, Mayor, *Chairman, ex officio.*

FRANCIS M. WILSON, President of the Common Council,  
*ex officio*

(Term, three years.)

#### WARD ONE.

S. NEWTON CUTLER (elected 1897), 28 Flint street.

SANFORD HANSCOM (elected 1896), 3 Webster street.

GEORGE S. POOLE (elected 1895), 46 Mt. Vernon street.

#### WARD TWO.

ALVAH B. DEARBORN (elected 1897), 34 Bow street.

HERBERT A. CHAPIN (elected 1895), 41 Walnut street.

JAMES F. BEARD (elected 1896), 17 Prospect Hill avenue.

#### WARD THREE.

QUINCY E. DICKERMAN (elected 1895), 85 Central street.

FRANK H. HARDISON (elected 1897), 192 Central street.

GEORGE W. W. WHITING (elected 1896), 280 Broadway.

#### WARD FOUR.

GILES W. BRYANT (elected 1895), 296 Elm street.

MARTIN W. CARR (elected 1896), 74 Craigie street.

GEORGE A. MILES (elected 1897), 249 Elm street.



GORDON A. SOUTHWORTH, *Superintendent and Secretary.*

Office, City Hall Annex.

Hours: 8 A. M. to 12 M., and 1.30 to 5 P. M.; Saturdays, 8 to 10.30 A. M.

Regular meetings, last Monday evening of each month.

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### ASSESSORS.

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1899).

NATHAN H. REED (term expires 1900).

HARRY A. TRUE (term expires 1901).

### ASSISTANT ASSESSORS.

(Term, one year.)

WARD ONE

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

FRANK A. TEELE.

*Clerk*, ALBERT B. FALES.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

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### BOARD OF HEALTH.

(Term, three years.)

ALLEN F. CARPENTER, *Chairman* (term expires 1900).

ALVANO T. NICKERSON (term expires 1899).

WILLIAM F. HOLMES, M. D. (term expires 1901).

*Clerk*, WILLIAM P. MITCHELL.

*Agent*, CALEB A. PAGE.

*Superintendent Collection of Ashes and Offal*, GEORGE W. S. HUSE.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**OVERSEERS OF THE POOR.**

Office, City Hall Annex, Highland avenue, corner Walnut street.

ALBION A. PERRY, Mayor, *Chairman, ex officio.*

(Term, four years.)

EDWARD B. WEST, *President* (term expires 1899).

EZRA D. SOUTHER (died Feb. 16).

JAMES H. BUTLER (elected March 23), (term expires 1900).

ALBERT W. EDMANDS (term expires 1901).

HERBERT E. MERRILL (term expires 1902).

*Agent*, CHARLES C. FOLSOM.

*Secretary*, CORA F. LEWIS.

Office open : 8 A. M. to 12 M., 1 to 4 P. M.; Saturdays, 8 A. M. to 12 M.

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**WATER COMMISSIONERS.**

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1900),  
5 Austin street.

GEORGE A. KIMBALL (term expires 1901),  
33 Warren avenue.

WILLIAM FRANKLIN HALL (term expires 1899),  
345 Broadway.

FRANK E. MERRILL, *Clerk and Superintendent.*

Office open : 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

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**REGISTRARS OF VOTERS.**

(Term : City Clerk, one year; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1900).

CHARLES P. LINCOLN (term expires 1901).

CHARLES E. PARKS (term expires 1899).

GEORGE I. VINCENT, *City Clerk.*



**TRUSTEES OF THE PUBLIC LIBRARY.**

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1900).

CHARLES A. WEST (term expires 1901).

JOHN B. VIALI (term expires 1899).

EDWARD C. BOOTH (term expires 1901).

CHRISTOPHER E. RYMES (term expires 1900).

GEORGE W. PERKINS (term expires 1901).

CHARLES H. BROWN (term expires 1900).

J. FRANK WELLINGTON (term expires 1899).

CHARLES W. SAWYER (term expires 1899).

JOHN S. HAYES (Died March 7),  
SAM WALTER FOSS (Elected May 16),

} *Librarian and Sec'y.*

Library open : 9 A. M. to 6 P. M.; Wednesdays and Saturdays,  
9 A. M. to 9 P. M.

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**CITY CLERK.**

GEORGE I. VINCENT.

Office open : 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

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**CITY TREASURER AND COLLECTOR OF TAXES.**

JOHN F. COLE.

Office open : 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

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**MESSENGER TO CITY COUNCIL.**

JAIRUS MANN.

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**CITY SOLICITOR.**

FRANK W. KAAAN,  
50 State street, Boston.

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**CITY AUDITOR.**

CHARLES S. ROBERTSON,  
City Hall.

**CITY ENGINEER.**

ERNEST W. BAILEY.

Office open : 8 A. M. to 5 P. M. ; Saturdays, 8 A. M. to 12 M.

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**CLERK OF COMMITTEES.**

WILLIAM P. MITCHELL.

Office open : 8 A. M. to 4 P. M ; Saturdays, 8 A. M. to 12 M.

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**SUPERINTENDENT OF STREETS.**

JOHN P. PRICHARD.

Office hour : 9 A. M.

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**INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF PUBLIC BUILDINGS.**

FREDERICK C. FULLER.

Office hours : 8 to 10 A. M.

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**INSPECTOR OF PLUMBING.**

DUNCAN C. GREENE.

Office hour : 8 to 9 A. M.

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**SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.**

EDWARD BACKUS.

Office hour : 8.30 to 9.30 A. M. •

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**CHIEF OF POLICE.**

MELVILLE C. PARKHURST.

Office, Police Building, Bow street.

**CHIEF ENGINEER OF THE FIRE DEPARTMENT.**

JAMES R. HOPKINS.

Office, Central Fire Station, 261 Medford street.

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**CITY PHYSICIAN.**

WILLIAM F. HOLMES, M. D.,  
215 Pearl street.

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**INSPECTOR OF MILK AND VINEGAR.**

CHARLES S. PHILBRICK,  
50 Morrison street.

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**INSPECTOR OF ANIMALS AND PROVISIONS.**

CHARLES M. BERRY,  
14 Miller street.

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**SEALER OF WEIGHTS AND MEASURES.**

JOHN H. DUSSEAUT,  
42 Sargent avenue.

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**BURIAL AGENTS,**

Under Chapter 279, Acts of 1896.

JAMES F. DAVLIN.  
JOHN H. DUSSEAUT.

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**CONSTABLES.**

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD MCGARR.

CHRIS. C. CAVANAGH.

EUGENE A. CARTER.

PATRICK J. GARVIN.

MELVILLE C. PARKHURST.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

**FENCE VIEWERS.**

LAMBERT M. MAYNARD.

CHARLES M. BERRY.

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**MEASURER OF WOOD AND BARK.**

SAMUEL T. LITTLEFIELD.

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**MEASURERS OF GRAIN.**

JOHN CRAIG.

JAMES McFADZEAN.

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**PUBLIC WEAHER IN CHARGE OF CITY SCALES, UNION  
SQUARE.**

FULTON O'BRIEN.

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**WEIGHERS OF COAL.**

|                     |                      |
|---------------------|----------------------|
| CHARLES H. TUCKER.  | CLINTON E. SOMES.    |
| GEORGE E. SLACK.    | SIDNEY E. HAYDEN.    |
| ROBERT A. YERXA.    | IRWIN L. SMITH.      |
| FRANK A. TEELE.     | CHARLES P. BRANN.    |
| ALFRED A. WALDRON.  | AMHERST F. DURKEE.   |
| THOMAS W. LANE.     | CHARLES E. ROCKWELL. |
| JOEL J. FISHER.     | C. EDWARD BYRNES.    |
| CHARLES H. WARD.    | JOHN A. MARSH.       |
| NATHAN E. WILLIS.   | GEORGE H. MOORE.     |
| H. CARLETON ABBOTT. | JOHN J. MASTERS.     |
| EDGAR H. BARKER.    | GEORGE GROGAN.       |
| WILLIAM HOULAHAN.   | ROBERT A. MURRAY.    |
| OTTO POWLOWSKI.     | CHARLES W. FURLONG.  |

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**WEIGHERS OF BEEF.**

|                       |                    |
|-----------------------|--------------------|
| D. WARNER DANFORTH.   | CHARLES H. TUCKER. |
| FREDERICK A. GEILING. | GEORGE E. SLACK.   |
| CLARENCE EDWARDS.     | CLINTON E. SOMES.  |

|                      |                    |
|----------------------|--------------------|
| THOMAS K. MARTIN.    | EDWARD M. WHEELER. |
| AMHERST F. DURKEE.   | THOMAS W. LANE.    |
| CHARLES E. ROCKWELL. | JOEL J. FISHER.    |
| CHARLES H. WARD.     | C. EDWARD BYRNES.  |
| ALFRED A. WALDRON.   | JOHN J. MASTERS.   |
| WILLIAM HOULAHAN.    | GEORGE GROGAN.     |
| OTTO POWLOWSKI.      | ROBERT A. MURRAY.  |
| CHARLES W. FURLONG.  |                    |

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**POLICE DEPARTMENT.**

MELVILLE C. PARKHURST, *Chief*.

ROBERT R. PERRY, *Captain*.

EDWARD MCGARR, *Sergt.*

CHRIS. C. CAVANAGH, *Sergt.*

DENNIS KELLEY, *Sergt.*

EUGENE A. CARTER, *Sergt.*

|                     |                      |
|---------------------|----------------------|
| JOHN E. FULLER.     | JOHN HAFFORD.        |
| ALBION L. STAPLES.  | GEORGE A. BODGE.     |
| JUDSON W. OLIVER.   | GEORGE H. CARLETON.  |
| GEORGE W. BEAN.     | FRANCIS A. PERKINS.  |
| GEORGE L. SMITH.    | CHARLES S. THRASHER. |
| EDWARD M. CARTER.   | WILLIAM H. JOHNSTON. |
| CHARLES E. WOODMAN. | JOHN G. KNIGHT.      |
| ARTHUR E. KEATING.  | THEODORE E. HERON.   |
| EUGENE H. GAMMON.   | JACOB W. SKINNER.    |
| IRA S. CARLTON.     | DAVID A. BOLTON.     |
| CHARLES W. STEVENS. | JAMES M. HARMON.     |
| ULYSSES G. SKINNER. | MICHAEL T. KENNEDY.  |
| JAMES J. POLLARD.   | EZRA A. DODGE.       |
| SAMUEL BURNS.       | DANIEL G. SIMONS.    |
| JOTHAM CHISHOLM.    | FRED H. GOOGINS.     |
| ELMER E. DREW.      | WILLIAM J. DAVIDSON. |
| EUGENE A. WOODSUM.  | JOHN A. DADMUN.      |
| PHINEAS W. SKINNER. | GEORGE L. RICE.      |

MELVILLE C. PARKHURST, *Lockup Keeper*.

**RESERVE POLICE.**

|                 |                   |
|-----------------|-------------------|
| HERBERT HILTON. | MYRON S. GOTT.    |
| JOHN A. RAY.    | CHARLES W. REICK. |



MAYOR'S INAUGURAL ADDRESS.



## CITY OF SOMERVILLE.

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IN CONVENTION OF THE CITY COUNCIL, {  
January 2, 1899. }

RESOLVED: That His Honor the Mayor be and he hereby is requested to furnish the Committee on Printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk.*



# INAUGURAL ADDRESS

DELIVERED BY

HON. GEORGE O. PROCTOR,

JANUARY 2, 1899.

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GENTLEMEN OF THE CITY COUNCIL :—

We are met at the beginning of this year to assume the manifold duties that have been entrusted to our care by our fellow-citizens. Great confidence has been reposed in us, and important is our responsibility. I desire, in the first place, to acknowledge my profound gratitude for this expression of confidence and my appreciation of the high honor of being chosen to follow the noble men who have filled the office of Mayor of Somerville. It is not to be expected that I shall fill the place just made vacant. I can only promise faithful service and the best that I am able to command. Great as is the honor of being elected to such position, it would be a greater disgrace to fail in the discharge of any of its duties.

We are beginning a new year in the life of our city and nation with the most promising prospects. Since the inauguration of our last City Council, the country has passed through one of the most trying and dangerous periods of its history. By the wise leadership of our patriotic President and the unanimous support of a united people, we have triumphed over all obstacles, and have attained a glorious peace. Prosperity

beyond our most sanguine expectations now seems to be a certainty.

It is only right, in passing, to speak of the noble work done by the sons of Somerville in the momentous events of the year. In all branches of the service and under varying circumstances they have contributed their part. We have no means of ascertaining the number who offered themselves to their country, but it must have been several hundred. Almost every day we hear of the gallant deeds of some of our boys, which have not before come to our attention. Of the Somerville company I have only the highest praise. The men of Company M and the others in the Eighth Massachusetts Regiment volunteered their services in the very beginning. It was not their fault that they did not go into action. Like scores of other gallant regiments, their active participation was not necessary, but it was the reserve strength of the nation expressed by the presence of the great army encamped in the South which made an early termination of the war inevitable. To their everlasting honor, it should be said that they were ready to emulate the deeds of heroism and sacrifice which have won the admiration of the world. They had their sacrifices,—loss of position, loss of health, and even loss of life,—which a grateful country and an admiring city will appreciate. And, what is more, they are still making their sacrifice for whatever duty the government may call them.

The first and most important, though perhaps not the most interesting, subject to be considered in this address is that of the finances. I present herewith statistics prepared by the City Treasurer, which show the financial condition of the city, etc. :—

#### THE CITY'S FINANCES.

FUNDED DEBT.—The Funded Debt of the city, January 1, 1898, was as follows :—

|                                  |                      |
|----------------------------------|----------------------|
| Funded Debt, City Loan . . . .   | \$1,031,000.00       |
| Funded Debt, Sewer Loan . . . .  | 148,000.00           |
| Funded Debt, Paving Loan . . . . | 75,000.00            |
| Funded Debt, Water Loan . . . .  | 294,000.00           |
| Total Funded Debt . . . .        | <hr/> \$1,548,000.00 |

The debt was increased during the year by appropriations made by the City Council as follows :—

|   |              |
|---|--------------|
| Armory . . . . .  | \$15,000.00  |
| Electrical Department, Fire Alarm, and<br>Police Patrol Boxes . . . . .         | 1,500.00     |
| Fire Department, Fire Station, Clarendon Hill . . . . .                         | 15,000.00    |
| Highways, Paving Webster avenue, Fitchburg Railroad to Cambridge line . . . . . | 7,000.00     |
| Highways, Steam Road Roller . . . . .   | 3,500.00     |
| Lincoln Park . . . . .  | 5,000.00     |
| Prospect Hill Park . . . . .  | 20,000.00    |
| Schoolhouse, Spring Hill District . . . . .                                     | 6,000.00     |
| Schoolhouse, English High . . . . .   | 1,000.00     |
| Schoolhouse, Prescott, heating and ventilating . . . . .                        | 6,000.00     |
| Schoolhouse, Ward Two . . . . .   | 34,000.00    |
| Schoolhouse, Burns Addition . . . . .   | 12,000.00    |
| Sidewalks . . . . .   | 5,000.00     |
| Sewers, Construction . . . . .  | 25,000.00    |
| Support of Poor, Almshouse . . . . .  | 20,000.00    |
| <hr/>   |              |
| Total amount of increase . . . . .  | \$176,000.00 |

The debt was reduced during the year by payments as follows :—

|                                     |              |
|-------------------------------------|--------------|
| Funded Debt, City Loan . . . . .    | \$138,000.00 |
| Funded Debt, Sewer Loan . . . . .   | 7,000.00     |
| Funded Debt, Paving Loan . . . . .  | 5,000.00     |
| Funded Debt, Water Loan . . . . .   | 22,000.00    |
| <hr/>                               |              |
| Total amount of reduction . . . . . | \$172,000.00 |

Leaving the funded debt of the city January 1, 1899, \$1,552,000 (an increase of \$4,000 over the previous year), classified as follows :—

|  |                |
|--|----------------|
| City Loan Bonds bearing interest at 4 per cent. . . . .  | \$907,000.00   |
| City Loan Bonds bearing interest at 4½ per cent. . . . . | 137,000.00     |
| <hr/>  |                |
| <i>Amount carried forward</i> . . . . .                  | \$1,044,000.00 |

|   |                |
|---|----------------|
| <i>Amount brought forward</i> . . . . .                           | \$1,044,000.00 |
| City Loan Sewer Bonds bearing interest at<br>4 per cent. . . . .  | 153,000.00     |
| City Loan Sewer Bonds bearing interest at<br>4½ per cent. . . . . | 13,000.00      |
| City Loan Paving Bonds bearing interest<br>at 4 per cent. . . . . | 70,000.00      |
| Water Loan Bonds bearing interest at 4 per<br>cent. . . . .       | 234,000.00     |
| Water Loan Bonds bearing interest at 5 per<br>cent. . . . .       | 28,000.00      |
| Water Loan Bonds bearing interest at 5½<br>per cent. . . . .      | 10,000.00      |
| <hr/>   |                |
| Total funded debt, January 1, 1899 .                              | \$1,552,000.00 |

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for temporary loans, etc., being equalled by its assets, which consist of uncollected taxes, sewer and sidewalks assessments, etc.

TAXES. — The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of May 1, 1898, was duly submitted to the collector.

The total amount of taxable property was \$50,739,700, and the rate established was \$17.90 on each \$1,000 valuation, as follows: —

|   |                 |
|---|-----------------|
| Real Estate, valuation  | \$47,015,775.00 |
| Personal Estate, valuation                                    | 3,723,925.00    |
| <hr/>   |                 |
| Total valuation . . . . .                                     | \$50,739,700.00 |
| At a rate of \$17.90 on each \$1,000 val-<br>uation . . . . . | \$908,240.63    |
| Polls, 16,281 at \$2.00 . . . . .                             | 32,562.00       |
| Street watering, 334,612 linear feet<br>at 4c. . . . .        | 13,384.48       |
| <hr/>   |                 |
| Total amount of tax levy . . . . .                            | \$954,187.11    |



APPROPRIATIONS. — The amount of revenue provided by the tax levy may properly be classified as follows: —

|   | Rate as-<br>sessed on<br>\$1,000 valu-<br>ation. | Amount.      |
|---|--|--------------|
| For Current expenses within the con-<br>trol of the city council .                    | \$6.774  | \$343,700.00 |
| Current expenses of depart-<br>ments over which the city<br>council has no control .  | 5.035  | 255,500.00   |
| Debt requirements .   | 4.636  | 235,200.00   |
| State and county taxes, Metropol-<br>itan sewer assessments, and<br>overlay account . | 1.455  | 73,840.63    |
| For total amount on a valuation of<br>\$50,739,700 at \$17.90 .                       |  | \$908,240.63 |
| Poll taxes assessed credited to<br>State and County .                                 |  | 32,562.00    |
| Street watering in excess of amount<br>appropriated .                                 |  | 13,384.48    |
| Total amount of tax levy .  |  | \$954,187.11 |

The appropriations to the various accounts were as follows: —

ACCOUNTS WITHIN THE CONTROL OF THE CITY COUNCIL.

|   |                     |
|---|---------------------|
| Electrical Department .                                 | \$ 6,400.00         |
| Engineering Department .                                | 9,000.00            |
| Fire Department .                                       | 56,000.00           |
| Highways .  | 65,000.00           |
| Indigent Soldiers and Sailors .                         | 400.00              |
| Miscellaneous .   | 9,000.00            |
| Police .  | 48,500.00           |
| Police Station Incidentals .                            | 2,000.00            |
| Printing and Stationery .                               | 6,500.00            |
| Public Grounds .  | 6,000.00            |
| Relief and Burial of Indigent Soldiers and<br>Sailors . | 9,000.00            |
| Salaries .  | 8,000.00            |
| School Contingent, Janitors' Salaries .                 | 17,000.00           |
| <i>Amount carried forward .</i>                         | <i>\$242,800.00</i> |

|                               |  |              |
|-------------------------------|--|--------------|
| <i>Amount brought forward</i> |  | \$242,800.00 |
| School Fuel                   |  | 10,000.00    |
| Schoolhouse Incidentals       |  | 17,000.00    |
| Sewers, Maintenance           |  | 7,000.00     |
| Sidewalks                     |  | 10,000.00    |
| Street Lights                 |  | 45,000.00    |
| Watering Streets              |  | 3,500.00     |
| Excess and Deficiency         |  | 8,400.00     |

Total amount assessed on a valuation of \$50,739,700 at \$6.774 . . . . . \$343,700.00

ACCOUNTS OVER WHICH THE CITY COUNCIL HAS NO CONTROL.

|                           | Rate<br>per \$1,000<br>valuation. | Amount.      |
|---------------------------|-----------------------------------|--------------|
| Health Department         | \$0.394                           | \$ 20,000.00 |
| Public Library            | .147                              | 7,500.00     |
| School Contingent         | 4.10                              | { 18,000.00  |
| School Teachers' Salaries |                                   |              |
| Support of Poor           | .394                              | 20,000.00    |

Total amount assessed on a valuation of \$50,739,700.00 at \$5.035 \$255,500.00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

|                          |              |
|--------------------------|--------------|
| Interest                 | \$ 80,000.00 |
| Reduction of Funded Debt | 155,200.00   |

Total amount assessed on a valuation of \$50,739,700 at \$4.636 . . . \$235,200.00

ACCOUNTS PROVIDING FOR STATE AND COUNTY TAXES, ETC.

|                               |             |             |
|-------------------------------|-------------|-------------|
| County Tax                    | \$44,894.56 |             |
| Deduct one half of polls      | 16,281.00   |             |
|                               |             | \$28,613.56 |
| State Tax                     | \$27,075 00 |             |
| Deduct one half of polls      | 16,281.00   |             |
|                               |             | 10,794.00   |
| <i>Amount carried forward</i> |             | \$39,407.56 |

|   |             |
|---|-------------|
| <i>Amount brought forward</i> . . .                             | \$39,407.56 |
| Metropolitan Sewer Assessment, 1898                             | 31,566.31   |
| Non-Resident Bank Stock . . .                                   | 1,043.12    |
| Overlay and Abatement . . .                                     | 1,823.64    |
| <hr/>   |             |
| Total amount assessed on a valuation of \$50,739,700 at \$1.455 | \$73,840.63 |

## INCOME.

In addition to the above, the following appropriations were made from the various income accounts :—

|  |             |
|--|-------------|
| Salaries, the amount received of the State for corporation and bank taxes . . .          | \$27,463.89 |
| Police, the amount received of the clerk of the court for fines, costs, etc. . .         | 3,376.50    |
| Public Library, the amount received of the county for dog licenses . . .                 | 2,268.86    |
| Water Maintenance, from the income of the water works . . .                              | 60,000.00   |
| Water Maintenance, from the income of the water works of 1897 . . .                      | 5,278.88    |
| Water Works Extension, from the income of the water works . . .                          | 20,000.00   |
| Water Loan Interest, from the income of the water works . . .                            | 11,925.00   |
| Reduction of Funded Debt, from the income of the water works, premium on bonds, etc. . . | 22,000.00   |
| Metropolitan Water Assessment, from the income of the water works . . .                  | 14,250.19   |
| Sewers, construction, from the income of the water works . . .                           | 67,280.96   |
| Tax Levy . . .   | 954,187.11  |
| <hr/>  |             |

Total amount of income and appropriations for the year . . . \$1,188,031.39

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

| YEAR.             | Amount<br>of<br>Funded<br>Debt. | Increase<br>of<br>Funded<br>Debt. | Reduction<br>of<br>Funded<br>Debt. | Tax Rate<br>per \$1,000<br>Valuation<br>on Account<br>of Reduction<br>of Funded<br>Debt. |
|-------------------|---------------------------------|-----------------------------------|------------------------------------|--|
| Town . . . . .    | \$ 593,349                      | . . .                             | . . .                              | . . .  |
| Dec. 31, 1872 . . | 643,354                         | \$ 50,005                         | . . .                              | . . .  |
| “ 1873 . .        | 809,354                         | 166,000                           | . . .                              | . . .  |
| “ 1874 . .        | 1,419,854                       | 610,500                           | . . .                              | . . .  |
| “ 1875 . .        | 1,571,854                       | 152,000                           | . . .                              | . . .  |
| “ 1876 . .        | 1,606,854                       | 45,000                            | \$ 55,130.62                       | \$2.07   |
| “ 1877 . .        | 1,606,854                       | 10,000                            | 58,828.58                          | 2.30   |
| “ 1878 . .        | 1,596,854                       | . . .                             | 61,004.64                          | 2.91   |
| “ 1879 . .        | 1,585,000                       | . . .                             | 64,915.76                          | 3.42   |
| “ 1880 . .        | 1,585,000                       | . . .                             | 55,739.35                          | 2.72   |
| “ 1881 . .        | 1,585,000                       | . . .                             | 58,498.64                          | 2.59   |
| “ 1882 . .        | 1,585,000                       | . . .                             | 61,390.59                          | 2.65   |
| “ 1883 . .        | 1,585,000                       | . . .                             | 64,479.01                          | 2.70   |
| “ 1884 . .        | 1,585,000                       | . . .                             | 67,719.33                          | 2.78   |
| “ 1885 . .        | *1,525,000                      | . . .                             | 71,305.66                          | 2.87   |
| “ 1886 . .        | 1,525,000                       | . . .                             | 66,894.23                          | 2.57   |
| “ 1887 . .        | 1,525,000                       | . . .                             | 70,252.88                          | 2.56   |
| “ 1888 . .        | *860,500                        | 25,000                            | 37,000.00                          | 1.28   |
| “ 1889 . .        | 952,500                         | 130,000                           | 38,000.00                          | 1.27   |
| “ 1890 . .        | 1,057,500                       | 150,000                           | 45,000.00                          | 1.38   |
| “ 1891 . .        | 1,045,500                       | 45,000                            | 57,000.00                          | 1.55   |
| “ 1892 . .        | 1,194,500                       | 253,000                           | 104,000.00                         | 2.73   |
| “ 1893 . .        | 1,279,500                       | 222,000                           | 137,000.00                         | 3.27   |
| “ 1894 . .        | 1,344,500                       | 172,000                           | 107,000.00                         | 2.42   |
| “ 1895 . .        | 1,506,500                       | 247,000                           | 85,000.00                          | 1.83   |
| “ 1896 . .        | 1,531,000                       | 177,000                           | 152,500.00                         | 3.11   |
| “ 1897 . .        | 1,548,000                       | 167,000                           | 150,000.00                         | 2.39   |
| “ 1898 . .        | 1,552,000                       | 176,000                           | 172,000.00                         | 3.39   |

\*Sinking Fund applied.



| YEAR.    | VALUATION.       | TAX LEVY.      | RATE.   |
|----------|------------------|----------------|---------|
| 1872 . . | \$22,755,325 . . | \$274,374.45 . | \$13.00 |
| 1873 . . | 29,643,100 . .   | 389,214.48 .   | 12.80   |
| 1874 . . | 30,837,700 . .   | 473,235.50 .   | 15.00   |
| 1875 . . | 31,317,000 . .   | 518,161.40 .   | 16.20   |
| 1876 . . | 26,573,400 . .   | 504,745.24 .   | 18.60   |
| 1877 . . | 25,479,400 . .   | 471,789.14 .   | 18.10   |
| 1878 . . | 20,976,900 . .   | 409,497.10 .   | 19.00   |
| 1879 . . | 18,950,100 . .   | 352,553.80 .   | 18.00   |
| 1880 . . | 20,458,100 . .   | 402,927.71 .   | 19.10   |
| 1881 . . | 22,569,100 . .   | 452,945.45 .   | 19.50   |
| 1882 . . | 23,162,200 . .   | 425,721.16 .   | 17.80   |
| 1883 . . | 23,812,900 . .   | 411,645.43 .   | 16.70   |
| 1884 . . | 24,331,100 . .   | 418,750.26 .   | 16.60   |
| 1885 . . | 24,878,400 . .   | 428,605.44 .   | 16.60   |
| 1886 . . | 26,003,200 . .   | 416,987.28 .   | 15.40   |
| 1887 . . | 27,471,800 . .   | 424,309.14 .   | 14.80   |
| 1888 . . | 28,765,400 . .   | 421,458.60 .   | 14.00   |
| 1889 . . | 30,004,600 . .   | 440,324.40 .   | 14.00   |
| 1890 . . | 32,557,500 . .   | 447,704.00 .   | 14.00   |
| 1891 . . | 36,843,400 . .   | 539,137.10 .   | 14.00   |
| 1892 . . | 38,093,100 . .   | 596,357.50 .   | 15.00   |
| 1893 . . | 41,873,600 . .   | 675,886.80 .   | 15.50   |
| 1894 . . | 44,142,900 . .   | 721,165.54 .   | 15.70   |
| 1895 . . | 46,506,300 . .   | 745,609.02 .   | 15.40   |
| 1896 . . | 49,070,800 . .   | 786,412.32 .   | 15.40   |
| 1897 . . | 50,231,000 . .   | 913,574.42 .   | 17.30   |
| 1898 . . | 50,739,700 . .   | 954,187.11 .   | 17.90   |

By the foregoing tables it appears that the funded debt of the city is \$1,552,000, an increase of but \$4,000 over the previous year; of this sum, \$1,280,000 represents the total city debt, and \$272,000 represents the entire water loan debt. There is included in the city's funded debt the sum of \$158,000, authorized by previous acts of the Legislature to be borrowed outside of the debt limit provided by the statutes. With the present outlook, it seems to me reasonable to believe that our funded debt need not be increased in the near future. This method of raising funds should be resorted to only in case of absolute necessity; and while our debt, outside of the limit established by State law, is not very large in amount, I hope that we may find a way, in the near future, of reducing this debt, rather than of increasing it.

The borrowing capacity of the city is now about \$119,000. Considering the many permanent improvements which have so recently been made, I hope you may find this amount sufficient for the needs of the city during the current year. I would suggest that such appropriations as it is found advisable to make from funded debt account be based upon the present borrowing capacity, rather than upon the accumulations maturing later in the year. I think it very desirable that permanent improvements be commenced early in the season, and completed, if possible, before winter weather sets in. By making our annual issue of bonds in January or April, instead of delaying until July, we may avoid the very questionable practice of constructing public buildings during the winter season. If this suggestion meets with your approval, it will of course necessitate the exercise of economy in the appropriations of the present year only; for after that time we shall have an available borrowing capacity at the beginning of the year, which, under the present method, is not attainable until the month of July.

The prospects for smaller expenditures, and consequently a lower tax rate this year, are unusually good. In the first place, many of the expensive improvements which the city has long needed have been provided during the last five or six years; and similar expenditures will not be necessary.

We shall have no deficit, to begin with, but a balance from last year's appropriation of several thousand dollars.

Then, again, there will be a new source of revenue, that provided by a statute of 1898, which will give to Somerville something more than \$20,000 from the tax on the stock of the Boston Elevated Railway Company and leased lines. It is possible that a double installment of this tax may be payable this year. This, the law stipulates, shall be expended for highways, in addition to the regular appropriation.

A smaller appropriation will be necessary this year for the reduction of funded debt account than last year.

And, finally, a greater portion of the surplus water revenue will be available for ordinary expenses. Last year \$75,000 of this was used in the building of sewers and storm drains, only a comparatively small part of which will be necessary this year

In the matter of water and water revenue, the city is to be congratulated. Instead of paying high tribute to Boston for an inferior and limited water supply, we have secured pure water in great quantities and at no increase of cost, in fact, with the possibility of an early reduction in the rates.

The small increase in taxable property made last year will probably be repeated this year, but the approaching business prosperity, we hope, will soon put things on a better basis.

### SEWERS AND STORM DRAINS.

The most notable work of the year 1898 has been in the construction of sewers and storm drains. Probably the past season has seen more large work accomplished than any other year since the engineering department was organized. On construction account more than \$105,000 was expended.

It is with a great deal of satisfaction that we can contemplate the benefits which have already been conferred. By far the greater part of the work was carried on with appropriations from the surplus revenues of the water department, a source which it is hoped will be available during the coming year for the extension of this line of work and other much needed improvements. Most of it consisted of storm drains built for the purpose of relieving the overcharged sewerage system and the many flooded cellars in the low areas in times of heavy rainfall. Some of these flooded districts have been permanently relieved and beginnings made for the relief of others,—improvements of the greatest value to the health and convenience of the people.

In January, 1898, a portion of the main storm-water outlet for the eastern district of the city, begun the year before and extending in Winthrop avenue from Mystic avenue to Broadway, was completed. At the junction of Winthrop avenue and Broadway, construction was begun early last summer on two large branches. One of these extended through Broadway and Cross street to the corner of Pearl, a distance of 1,877.5 feet. The structure was built of brick and concrete masonry, three feet six inches in diameter, and has overflow connections at all crossings with the old sewerage system on its route. The total



cost of this branch, which effectually provides relief for a large section of East Somerville, was \$15,722.

The other branch extends westerly through Broadway, Sargent avenue, Sherman court, Marshall street, Gilman square, and Medford street to the corner of School street, a distance of 3,800 feet. It is built similarly to the other branch, with overflow connections. In size it varies from five and one-half feet to four feet in diameter. It cost \$36,238, and now has remedied the nuisance of sewer-flooded cellars, which have long been suffered by the residents of a large territory.

Of all the great storm-drain problems which have confronted the city government, the greatest is the proper disposal of the storm waters in the southerly and southwesterly sides of the city. Beginnings were made the past year, first by the construction of a storm-relief drain from a point in Union square through Bow and Summer streets to the junction of School street, a distance of 2,080 feet. This structure varies in size from five feet to three feet four inches in diameter, and will wholly relieve the flooding of streets and cellars formerly experienced in that section during heavy rains.

For the purpose of taking care of another portion of this watershed area, namely, the very flat district in the vicinity of Union square and extending southwesterly to the Cambridge line, a different plan has been adopted. This is the construction of a small and entirely separate system of sewers for house drainage only, and the utilizing of the present sewers for storm water. Under such a plan, with the houses connected with the new system, and the old system, which is larger, run under a head, there will be no danger of flooding cellars. The main trunk line of this separate sewer has been constructed in the northerly sidewalk on Somerville avenue from Poplar street, its outlet into the Metropolitan sewer, northwesterly to Prospect street, a distance of 1,846 feet. The sewer is an egg-shaped structure, two feet two inches by three feet three inches in size. This system is designed to extend northerly and westerly, from time to time, relieving the flooded cellars, as far as completed each year.

A branch of this system extending from the present terminus on Somerville avenue through Prospect and Newton streets to Concord square and vicinity, with its lateral pipe sewers, should be constructed, as the district is known as the oldest and worst flooded in the city. The expense would be comparatively small, considering the area covered and the benefit derived from the proposed extension.

The only outlet for storm water and sewerage overflow for the largest part of the city is through Bridge street, Cambridge, into the Charles river. The City Engineer reports that this outlet is entirely inadequate for the two cities, and for the purpose of giving Somerville as much relief as possible, a large storm-water drain should be constructed from the Somerville avenue sewer at the Cambridge line, across private lands to the nearest tide water, Miller's river. If this is necessary, this line should be secured and the outlet constructed at once, as every year of delay will make the undertaking more expensive, as well as affording no relief in times of storm. By co-operation with the packing-house companies, probably the expense of construction would be made much less, as these companies will be obliged, in the near future, to find an outlet into Miller's river for large quantities of water which is now being discharged into the Metropolitan sewer at Poplar street.

To revert to the other side of the city, I would call attention to the desirability of constructing a permanent outlet for the Winthrop avenue storm drain. The present outlet is an open ditch across the marsh land, belonging to F. O. Reed and the Boston & Maine Railroad Company, to the Mystic river. Negotiations with the railroad company have been pending for some time past for the construction of a permanent structure on its land, in place of the open ditch, and probably the matter will be arranged satisfactorily to the city within a short time. On the other section through the Reed land, the city is paying annually \$300 for the right of drainage, which is as much as the interest on the total expense of constructing this outlet permanently.

Still another section of the city which at present has no storm-drainage system, and is flooded at times, is the portion

which extends on both sides of the Boston & Lowell and Arlington branch railroad, between Central and Cedar streets, and even as far west as Grove street. This section is directly connected with the storm-drainage system completed this year and just described, which is designed to receive at Gilman square all the storm water for this section discharging along the line of the railroad valley, and which is the only means of relief. As the railroad company would derive a large part of the benefit, a corresponding share of the expense should be borne by the company. With this drain completed and the newly finished Marshall street and Cross street branches of the Winthrop avenue drain in operation, the whole northeasterly part of the city would be permanently cared for.

The total length of storm drains constructed the past year was 8,077 feet, and the total length now in the city is 2.8 miles. Something more than three miles of sewers were built during the year, including several in the new district between Clarendon hill and Alewife brook. The total length of sewers now in the city is 69.25 miles. Cost of maintenance in 1898 was \$7,600.

### HIGHWAYS.

The condition of the highways of the city should receive your most careful attention during the present year. Next to the schools, the streets have the largest expenditures from the municipal treasury. There is little new that can be said as to the advantages of having good streets. Ours are not as good as one would like to see them, and I trust that you will be able to give them the improvement which they need, and which the public is loud in demanding.

One of the first undertakings should be the repair of Bow and Summer streets, which was made necessary last fall by the relocation and the change in grade of the car tracks. It is also desirable that Highland avenue throughout its entire length be put in a good condition for travel. Other main highways on which there is a large amount of travel should receive first care, rather than some of the lesser streets, in order to benefit the great mass of the people. We all use the main streets, while



comparatively few travel during the twenty-four hours over the side streets.

Ten new streets have been accepted within the past year, having a total length of 6,423 feet, but only one of them has been constructed. There are now fifteen miles of accepted streets which have received no attention, except to keep them in a safe and passable condition for public travel. One of the principal changes in the highways was the lowering of the grade and the construction of 900 feet of Middlesex avenue. This was done by the Metropolitan Park Commission to bring the street to the level of the adjoining boulevard.

Webster avenue has been paved with granite blocks, from the Fitchburg railroad tracks to the Cambridge line, a distance of about one quarter of a mile. The present total of paved streets is about two and a half miles. I believe in paving streets where there is a large amount of heavy travel. On some that is the only kind of roadbed that will survive, and is the cheapest in the end. One side of Washington street, from Tufts street to the Charlestown line, ought to be paved; but I can make no recommendation as yet, till we know definitely when the Massachusetts Pipe Line Company will lay its two thirty-six-inch gas mains through this street.

Various improvements by the transportation companies are planned for this year which will affect our streets. An additional track is contemplated on the Somerville avenue line of electric cars, from Union square to Davis square, and new bridges at Beacon and School streets will be built by the steam railroad corporations. The Superintendent of Streets recommends the construction of a new bridge across the Mystic river at Boston avenue. The street railway corporation is considering a petition to extend its lines from Winter Hill to Tufts College and West Medford by way of Broadway and Boston avenue; also to West Somerville through Powder House square.

#### SIDEWALKS.

In addition to the usual appropriation of \$10,000 for sidewalks, \$5,000 was appropriated for the same purpose on funded

debt account. These sums, together with a corresponding aggregate assessed upon the abutters, made about \$30,000 available last year for sidewalks. More work was done in this direction than during any previous year. The most important was the sidewalk on the northerly side of Highland avenue, by which good pedestrian travel has been rendered possible from Davis square to the City Hall and beyond. Some 18,432 feet of edgestones were laid, and 16,984 square yards of brick sidewalk. Including the brick sidewalks relaid, more than 20,000 square yards of bricks were laid, or more than four acres. Here I may add that, for every foot of edgestones laid, there is a diminution in the amount available for general work on the streets. The reason is that the paving of the gutters, rendered necessary by the construction of the sidewalk, is paid for out of the general highway appropriation.

There are now seventy-five and five-tenths miles of sidewalk with edgestones, including forty-nine miles of brick sidewalk. With the large amount expended on sidewalks last year, I believe that we should get along with a smaller appropriation in this department this year, and give more attention to the construction and repair of streets.

#### POLICE DEPARTMENT.

Perhaps the most important branch of a city's service is its police department, and I believe that Somerville is behind no city in the State in the character and efficiency of the men who guard its people and property. The department is well managed, and is to be commended for the good work which it is doing in maintaining order and in enforcing the laws, notwithstanding the small number of patrolmen and the large territory they cover. Particularly is it to be praised for its vigilance in enforcing the liquor laws, in consequence of which there have been few violations. I would recommend a continuance of the present policy, and will do all in my power to prevent the illegal sale of liquor.

There is one class of crime that I feel should be more severely dealt with. Some measure should be adopted to prevent the trespassing on private grounds, the stealing of fruit,



flowers, etc., the malicious breaking of glass, and other deprecations of the juvenile offenders. It is not only an expensive and serious annoyance to our citizens, but also an offense that, if permitted with the juvenile, leads the way to more serious crime, and produces the hardened criminal.

The force numbers forty-six, made up as follows : A chief, a captain, four sergeants, thirty-six regular patrolmen, and four reserve patrolmen. All the reserve patrolmen are now regularly employed. On account of vacancies in the regular force, four promotions have been made since 1895 from the reserve force, which originally numbered eight. No appointments have been made to fill the four vacancies in the reserve force. No additions have been made to the regular force since 1894. I would recommend, therefore, that provision be made by the City Council for the payment of the full reserve force, so that by appointment the vacancies may be filled. The regular force is too small, and should be increased if the resources will permit. One of the patrolmen, Eugene H. Gammons, having enlisted in the Somerville company, Eighth Massachusetts regiment, for two years of the war, there is now one more vacancy in the working force of the department.

#### WATER DEPARTMENT.

The year just past has been a fruitful one in the water department work, witnessing the change from the Mystic water, furnished by the city of Boston, to the Nashua river water, furnished by the Commonwealth through the Metropolitan Water Board. By this change we have secured a water not quite so transparent as the old, but one that is practically pure and of unlimited supply, instead of the highly contaminated and insufficient Mystic. Beginning January 1, all water relations with the city of Boston ceased, and the entire work of the department has been carried on through our own offices. All the clerical work, including the billing and collecting of more than 11,000 water accounts, representing over \$200,000, has been performed at the Somerville City Hall, adding greatly to the convenience of the water takers, who have heretofore

been obliged to pay their bills and transact other business connected with the department at the Boston City Hall. The pecuniary advantage of this change has been of the greatest importance to Somerville, giving us the advantage of a saving of about \$100,000, which has enabled us to undertake the great storm-drain improvements, and to apply part of the surplus revenue to the improvement of the water service, especially the replacing of old and dangerous cement water mains with larger size iron pipes.

During 1898, 22,636 feet of cement-lined pipes were replaced by iron mains, and 7,495 feet of mains laid in extending the water-works system, — in all about six miles of pipe. About nine miles of the old pipe still remains, some of which is in a poor condition. Having these new and larger pipes will result in a benefit in several ways. The inconvenience of frequent breaks and the expense of repairs will be avoided. The newly-constructed streets will not have to be torn up so often. Shutting off the water in a whole street, for several hours pending repairs, with the increased danger from fires, will not be necessary, and additional fire protection will be rendered by the greater volume of water supplied.

A beginning has been made this year toward improving the distributing system by getting rid of the numerous dead ends existing throughout the city. Nineteen blow-offs have been constructed, and a number of dead ends streets have been connected into the circulating system, thereby greatly improving the quality of the water in the districts affected. During the year just closed the department has erected and occupied a handsome new building for stables, shops, etc., at the city farm, and has abandoned the old quarters at the corner of Prospect street and Somerville avenue, which have reverted to the custody of the City Council. Portions of the old buildings have since been devoted to the use of the sewer department, and another part has been leased, at a nominal rental, to the Somerville Veteran Firemen's Association.

Before many months another change will take place in the water department by the transfer of the high-service system to the control of the Metropolitan Water Board. This will probably not occur until after the completion of the high-service

reservoir in the Middlesex Fells, which will supply by gravitation the northern high-service district. Beginning January 1 of the present year (1899), the first steps were taken. The Metropolitan Water Board, desiring to give the district the benefit of the high-service system, made arrangements with the various cities for a joint use of the local pumping stations for the whole district, which gives practically the same result as though the new reservoir were in operation. When this undertaking is completed, the local high-service pumps will be discontinued. A higher average of pressure for day and night will be given throughout our whole local high-service system, which will be another additional fire protection. I would suggest considering the advisability of a plan for utilizing this extra pressure in the matter of increased fire protection by a comparatively small expenditure of money. A separate system of high pressure water mains could be laid, covering the dangerous fire districts in the low parts of the city, and the fire steamers located for the use principally of the high districts, thereby saving the extra expense of new fire apparatus and buildings, and also the maintenance in the future.

#### FIRE DEPARTMENT.

By means of unexampled progress during the last few years, the Somerville fire department has reached a state of efficiency which will favorably compare with the best departments in the State. The manual force, including the chief and assistant engineer, consists of 103 men, and the apparatus in service includes three fire engines, two of which are accompanied by hose wagons, and one by a combination apparatus of chemical, ladder, and hose ; also three other hose wagons, two ladder trucks, and a chemical engine, besides one spare ladder truck and two hose reels, which can be used in case of accident to the regular apparatus. The efficiency of the fire department ought to be a good argument with the underwriters for giving us lower rates of insurance. Within a few days the ability of the department to cope with fires successfully has been increased by the extension of the high-service system to College and Clarendon hills, thus completing the high service for all the high land in the city, and



giving all sections a good pressure. Improvements of this kind, and also the increased pressure all over the city, resulting from the introduction of the Metropolitan water, tend to do away with the necessity of maintaining expensive steam fire engines. In many sections of the city, where there are no high buildings, the hydrant pressure is all that is needed in ordinary fires. For this reason, and to save valuable time in the early stages of a fire, I would recommend the establishment of more hydrants throughout the city, whenever any additional facilities are contemplated.

The several buildings used by the department are in good condition. One new building, a two-door fire station at Clarendon hill, was begun during the past year, and will be ready for occupancy early in the spring. For the equipment of this building, the Chief Engineer recommends that the combination chemical hose and ladder wagon, now stationed at the house of engine 4, be transferred to the new station on Clarendon hill. The Chief makes these further recommendations: That a hose wagon be placed in the house of engine 4, to be run in connection with that engine; that additional fire-alarm boxes be placed in circuit in places now remote from any signal box; that a bell and striker be placed on the tower of engine 2 house, to be used instead of the bell and striker on the Franklin street church, the officers of the church being anxious for a discontinuance of the ringing of the alarm from the church tower; that a few keyless doors be placed on the signal boxes annually; and that proper steps be taken toward placing all electric wires underground, as they are dangerous in times of heavy storm, and at all times are a hindrance to the department, especially in the operation of the ladders. These are all important recommendations, which I offer for your consideration.

I would recommend the consideration of the question of establishing fire limits within which only such buildings can be erected as conform to certain regulations guarding against the spread of fire; also the adoption of more stringent building rules for the whole city. Especially in regard to shingle roofs some action should be taken. In the crowded sections of the city they are the greatest menace to the public safety.

## POOR DEPARTMENT AND ALMSHOUSE.

The Overseers of the Poor have had appropriations the past year amounting to \$23,000, and, owing to the great drafts in the department, have expended upward of \$28,000. A total of 306 families, or 1,244 individuals, were aided; eighty-five persons were given full support by the city. The long-continued hard times are largely responsible for the size of these figures, a condition of things which we hope will not exist much longer.

The almshouse question, which has been agitated for a series of years, has come nearer a settlement than ever before. The sum of \$20,000 was appropriated for the purpose, and the committee on public property was authorized by an order approved July 14, 1898, to purchase the Levi Russell property on Broadway and North street for \$18,000 and the taxes of 1898. This property includes ten acres and the large homestead buildings near Alewife brook. The City Solicitor has found a difficulty in the title, and the committee recommends that the Legislature be petitioned for authority to take the property. This matter will doubtless come to your attention at an early date. It is possible that there may be an objection to such a procedure, as the land so taken could be used for almshouse purposes only, and there might come a time when some portion would be wanted for other purposes.

## HEALTH OF THE CITY.

It is with the greatest of pleasure that I can state that the health conditions of the city are now at the best. The vigilance of the health officials has done much, in conjunction with our natural advantages, to bring about good results. Nuisances of various kinds have been abated, and the Board of Health rules rigidly enforced against dangers of contagion. There have been no serious outbreaks of contagious diseases of any kind during the year; in fact, the total number of cases reported is less than one half the number reported during the year 1897. This is all the more remarkable when we remember that 1897 showed a gratifying reduction in contagious diseases from 1896. The general work of the department,

including the collection of ashes and offal, has shown steady improvement. The members of the Board of Health are honored citizens, devoted to the interests in their charge.

#### STREET WATERING.

In the matter of street watering, I would recommend that the present policy of watering seven days in the week, when necessary, be continued. It has been said that the men and horses should not be required to work seven days a week. As a fact they do not average at street watering during the season more than five days, and on Sundays and holidays street watering in a city like Somerville is most needed. This particular department has a good equipment, capable of very effective work. While the streets during the past year have been better cared for than in previous years, there is a chance for improvement in street watering. Especially is it necessary to guard against the excessive use of water, and the application of water when the streets do not need it,—practices which it is often easier to describe than to prevent, considering the methods of doing the work.

#### STREET LIGHTING.

The question of street lighting will probably not vex your honorable bodies during the present year, as it has in the past year or two. Within a few days a two-years' contract has been made with the Somerville Electric Light Company for at least 361 arc lamps at \$110 per year, and at least 212 incandescent lamps at \$25 and \$35 per year. Contracts were also made for about 120 Welsbach gas lamps. There has been a great deal of controversy over the superiority of the Welsbach or incandescent lamps. A sufficient number, however, of both kinds are now in use to judge of their comparative merits.

#### GRADE CROSSINGS.

Probably in the near future the question of abolishing all grade crossings on the line of the Fitchburg Railroad in this city will be agitated, constituting one of the gravest problems which now confront the city. During the past year considerable work was done by the City Engineer's department in this



direction, in conjunction with the Chief Engineer of the Fitchburg railroad, and rough plans and designs have already been made by the railroad company. The need of relief is greatest at Somerville avenue; the next in importance is the Webster avenue crossing. Besides the element of danger, valuable time is lost at these crossings by having to wait for shifting or passing trains. The matter should be thoroughly investigated as soon as possible, as the longer the delay the more expensive will be the improvement.

On the line of the Lexington and Arlington branch of the Boston & Lowell railroad, the grade crossings at the few intersecting streets could be abolished at the present time at a comparatively small expense, while the land at most of these points is unobstructed by buildings. As the city pays only ten per cent. of the entire cost of this work, the income from the increased valuation in these localities, it is thought, would soon equal the original outlay. The proposed relocation of the West Somerville station and changes in the highways, it is understood, will materially diminish the dangers and inconveniences at Davis square, and perhaps answer the question as to the blind crossing at Thorndike street.

### PUBLIC SCHOOLS.

While the City Council has little to do with the direct management or control of the public schools, its members have more than a personal interest in them, for the reason that the appropriations for this important department are made by your honorable bodies. In a measure, we are held responsible for the prosperity of the schools, whatever authority we may have in the spending of the money. For these reasons, I would advise a most careful attention to such questions relating to schools and schoolhouses as may come from time to time to your consideration. The public schools will always demand the largest single part of the annual appropriations, and the present tendency is to increase their proportion of the whole expenditure.

I would not for one moment suggest that the schools be curtailed in the grand work which they accomplish. Nevertheless, I think we should carefully scrutinize the expenditures



that come within our control. We must remember that Somerville cannot compete with Boston or Brookline, or one or two other of our wealthy neighbors, in providing educational advantages. We must do the best we can, but we cannot build the handsome schoolhouses or hope to pay the generous salaries offered by these cities I have mentioned. As it is now, we stand close to the leaders in all these respects, and the great majority of cities and towns are far behind us. It must ever be a source of regret to lose teachers who are offered higher salaries to go elsewhere, but more or less of that is to be expected. It is largely a sign of progress and growth on the part of the teacher. While one or two cities are inducing our best teachers to leave us by more liberal offers, we are pursuing the same policy in respect to the others. Our city becomes a step in the professional advancement of the teachers.

During the past year the Martin W. Carr schoolhouse on Beech street has been completed and occupied. It adds fifteen classrooms to our accommodations, but does not wholly relieve the needs of the district. For the complete relief of the Spring hill and West Somerville district, the Burns schoolhouse on Cherry street should be enlarged by the addition of four rooms. Any greater enlargement would create a new grammar school centre and entail a needless annual expense of \$1,500 upon the city. This addition would dispense with the use of the Cedar street building, an antiquated structure, which ought long ago to have been abandoned.

A beginning has been made on the construction of a six-room building on Washington street, near Dane street, which will relieve the needs of the Prospect hill district, and, to a slight extent, those in the Spring hill district. The complete renovation of the interior of the Forster schoolhouse has again made this building one of the best in the city. To meet the need of immediate relief in the Winter hill district, the Superintendent of Schools recommends the erection of a six-room building on the Forster schoolhouse lot. The location, he argues, is central, the land adequate, and the cost of administration in such a school would be the least possible.

An additional boiler and a complete heating and ventilating apparatus have been furnished at the Prescott schoolhouse.

The drawing room at the English high schoolhouse has been increased nearly fifty per cent. in size by the inclusion of a corridor. This practically ends the chance of extending the much needed accommodations within the present walls. It is to be regretted that so new a building should need alteration, and that, once erected, it could not have been sufficient for many years to come. Nevertheless, larger accommodations are needed, and will be demanded more and more till the addition, which may be by one or two northerly wings, is made. If any relief can be afforded through administrative changes or combinations with the other high school in certain branches of instruction, or by use of the building more hours in the week, we trust that every effort will be made before it is necessary to go to the expense of altering the present sightly building by an unsightly addition.

Before leaving the present subject, I would like to speak of the high character of the men who compose our School Board. They are men of exceptional ability, who give their best thought to the work in hand. The Superintendent and the teachers are also deserving of praise for their faithful efforts in behalf of the young people.

#### PARKS AND BOULEVARDS.

The parks of Somerville, though small, are among the most beautiful anywhere in the suburbs. Historical associations in a marked degree are also connected with them, making them all the more objects of pride to our inhabitants. The year 1898 will be memorable by the addition of another historic and sightly spot to our park system, by the purchase of a part of the vacant land on Prospect hill.

Under the authority of an act of the Legislature, approved May 27, 1898, about one and one-third acres of land on the southwesterly side of Munroe street, known as the Thompson lot, was purchased for \$20,000 and the taxes for 1898. I believe that the people of Somerville congratulate themselves upon this purchase, and that the city has been freed from the criticism of allowing so sacred a spot to remain unpreserved. The purchase of the remaining land authorized by the Legislature and the

proper development of the park are matters for future consideration.

Plans were adopted early last year for the laying out of Lincoln park in Ward 2, and the roadway, 1,220 feet long, has been subgraded and considerable progress made on the athletic field. According to the original agreement, the roadway must be macadamized by July 1 of the present year. When this park, which includes the old Wyatt pit property, has been finally completed and the pit filled, one of the most useful combinations of park and playground will be offered to the crowded population of this side of the city. During the recent cold weather the athletic field, as well as the Broadway park pond, has been flooded for skating, a practice which I most heartily approve.

In the matter of boulevard construction, we are also in the midst of a period of transition. Within a few weeks the grand Middlesex Fellsway, from the Fells to the Mystic avenue end of the Broadway park, has been completed and opened to travel, and this, through an agreement made a few days ago between the Metropolitan Park Commission and the City of Somerville, will soon be extended by way of Winthrop and Chauncey avenues to Broadway. The completion of this boulevard will give Somerville a share in the enjoyment of the great Metropolitan Park and Boulevard system, for which we have long been paying without adequate return.

The value of this and similar improvements cannot be estimated. Coming generations may, for the most part, take them as a matter of course, but the wiser ones will bless the wisdom and foresight of the present.

It is a pleasure to state that the prospects are good for the preservation by the State of the banks of the Mystic river, from Mystic lake to Wellington bridge, and for the construction of a boulevard along its shores. The Metropolitan Park Commission has secured options on the land, and has reserved sufficient money for the takings, although the appropriation is not by any means sufficient to construct the boulevard. Likewise in the proposed scheme for a boulevard connecting the Fellsway with the Revere Beach Reservation, the commission has reserved



enough money to cover the takings. In neither case have the lands been taken, but it is to be hoped that they will be at no distant day.

The project of a boulevard from Powder House square to the Medford line, and thence in Medford, to connect with the Mystic Valley Parkway at Mystic lake, has been considered the past year by the Committee on Public Grounds. The route would be through the lands of the Trustees of Tufts College, and several other owners, crossing Curtis and North streets and skirting the shore of Alewife brook to the Mystic pumping station, and thence across the river into Medford. The committee has recently reported that all but one or two of the owners are willing to release the land, and are anxious that the project should be carried through as soon as possible, and the committee recommends that petition be made to the Legislature for an act giving the city the necessary authority to take the land and lay out a boulevard, as suggested.

Upon the proper development of that section depends, to a large extent, the future welfare of our city. A great tract of land stands ready to be opened up for building purposes. A good boulevard, with suitably laid out intersecting streets, would determine the future of that section, and increase the valuation, adding a class of houses which would tend to lower the burdens of taxation and municipal expenditure. Such a boulevard would prevent a repetition of the mistakes made in the haphazard development and consequent deterioration of some older sections of the city. It would also give us a direct and scenic connection with the beautiful parkway extending along the Mystic lakes. I would recommend that a petition for the statutory authority be prepared and sent to the incoming Legislature at an early date.

#### BEAUTIFYING THE CITY.

I have already mentioned a number of important improvements which ought to be undertaken. Believing, however, that in the smaller things we can benefit the people quite as much as in the larger ones, I would like to make a few additional suggestions.

Scattered about in different sections are several lots of land owned by the city, but left in an unsightly condition. Such plots of ground as the lot on Glen street, the old Webster schoolhouse lot on Webster avenue, the city farm, and the Harvard schoolhouse lot on Beacon street could, at small expense, be improved and made attractive, instead of repulsive, in their appearance.

Greater attention should be paid to setting out trees on our streets. Nothing so adds to the beauty of a city at a minimum expense as the planting of shade trees. The work should be done now rather than that the present and future generations should suffer from our neglect. Once set out, the trees should be protected against the destructiveness of horses left standing near them by careless drivers.

Greater care should be used in keeping the streets clean. I believe in the policy of stationing men in different sections of the city with their push carts, and leaving to them the duty of keeping their precincts in suitable condition. Rag pickers should not be allowed to interfere with ash barrels on the sidewalks, and other restrictions should be made to prevent the littering of our highways. The citizens should be urged to take great precautions to this end, and, in keeping things neat and tidy, the city should set the example to the people. A few hundred dollars will go a great way in the directions I have enumerated, and the effect will be an appreciation of property values and a happier civic life.

#### SOMERVILLE AND CAMBRIDGE BOUNDARY LINE.

Early last year a petition was presented to the Legislature, by the City of Cambridge, for a readjustment of the line between that city and Somerville. The matter, however, was allowed to rest, pending conferences by committees of the two City Councils and the City Engineer. After long and careful consideration, everything was practically decided upon between the two cities, on the lines of a plan submitted by the Cambridge committee, but the order was vetoed by the Mayor of Cambridge, and the subject was allowed to drop. All the arguments which have previously been made as to the inconvenience of the present boundary line remain in force, and it is to



be hoped that a final arrangement may be agreed upon by the two cities in the near future.

#### BROWN-TAIL MOTH.

The insect pest known as the brown-tail moth, which suddenly put in its appearance in 1897, and did great damage to fruit trees in some sections of the city and in Cambridge, threatening to become as grievous a nuisance as the gypsy moth, is now being exterminated.

Under the first law owners were required to remove the pest from their premises. The people responded as well as could have been expected, and the highway and public grounds departments also did effective work. During the past year the insect had spread its operations from the fruit trees to all kinds of shade trees and shrubs. The method of destruction proving inadequate, an act was passed by the Legislature of 1898, making it the duty of the State Board of Agriculture to take immediate steps to prevent the spread of the pest, and conferring upon that board the same power given it by law for the extermination of the gypsy moth, with authority to expend \$10,000 on the work. Within a few weeks operations have commenced, and are now making commendable progress.

#### SOMERVILLE HOSPITAL.

The Somerville Hospital is a most worthy institution, and should receive the encouragement of every citizen. It is, in a measure, a charitable organization, and must depend largely upon public beneficence for support. The management is composed of twenty-eight of our leading and public-spirited citizens, who are thoroughly devoted to its interests.

There is also a Ladies' Aid Association, which renders valuable assistance financially, and in many other ways helps the hospital by devoting a great amount of time and energy to the work.

With the present careful management, and with the revenue from city patients, the hospital comes nearer to paying its way than at any time since its inception.

The number of cases treated for which the city has paid expenses during the year is seventy-nine, and the amount paid

for the service, \$3,134.76. I would recommend a continuation of the present liberal policy toward this deserving object.

#### ARMORY.

For the erection of an armory the sum of \$15,000 was appropriated by the last city council. Transfers were made from this appropriation, leaving an unexpended balance of about \$10,000. On account of existing circumstances and the possibility that the State will take action in the matter of armories, no recommendation is needed at this time.

#### DEATH IN OUR MIDST.

While the health of the city has been excellent on the whole during the past year, the death angel has been a frequent visitor among our leading citizens. One of these was our lamented friend, Ex-Mayor Mark F. Burns, who died last January, after a long illness. It was my very good fortune to be a member of the common council during the last two years of his administration ; and as president of the council during the last year, I came into close and frequent relations with him. Ex-Mayor Burns was a man who honored the city of Somerville and the cause of good municipal government in every office that he held. Men who possess his ability and integrity, and are willing to sacrifice business interests and comforts for the public service, are too rarely found. His conception of public duty and his career as a citizen and official are worthy of our emulation.

The city of Somerville sustained another severe loss in the death of its librarian, John S. Hayes. His work in the cause of education, first as a public school teacher for many years, and latterly as the one who brought our public library to its present high standing, has had an important effect on the life of a large number of our citizens. Mr. Hayes was a conscientious and faithful public servant, who united ability and zeal in his work, and whose career has left a permanent impress for good on the life of our municipality.

Others whom I should mention are Ezra D. Souther, a valued member of the Board of Overseers of the Poor and

former councilman and alderman ; Franklin Henderson, one of our oldest residents, and formerly superintendent of streets ; Edward Foote, a prominent citizen, who was at one time a member of the Mystic Water Board ; and J. Leland Norcross and Gershom T. Burnham, who served four years each in the city council.

### PUBLIC LIBRARY.

Considering its cost, and the good it accomplishes, the Public Library is one of our most beneficial institutions. It is a matter of congratulation that the vacancy caused by the loss of a man so valuable to the city as the late John S. Hayes has been filled by the selection of Sam Walter Foss to guide its destinies. Mr. Foss has brought to his new position a breadth of learning, literary reputation, and a talent for painstaking, genial work. Already he has brought honor to the city, and is helping to popularize and extend the usefulness of the institution to a marked degree. We have a working library which is a credit to the city, but it will need increased appropriations if it is to continue the same measure of usefulness. One special feature of the recent work will deserve mention. That is the recent opening of the juvenile room, by which hundreds of boys and girls from all parts of the city are provided with intellectual amusement. In this, as well as in the other lines of work, the Librarian and Trustees should be encouraged. They urge the necessity during the coming year of additional appropriations for such needs as a card catalogue, books for the children's room, more books to aid in the excellent practice of distributing books among the schools, increase of clerical assistance in the matter of a proposed opening of the library three additional evenings per week, music department, and the general purchase of new books to keep pace with the best literature of the day.

The plan to open the library more evenings during the week I would most heartily approve. For this and for some of the other reasons mentioned, I would recommend such increase in the appropriation as the resources will permit. The appropriation last year was \$7,500, in addition to the dog tax, and the library authorities consider that this year \$9,000 will be necessary.



## CITY CHARTER.

The City Charter question will come before you at an early day, having been referred to the City Council of 1899 at the closing meeting of last year's city council. I very strongly favor a revision of the city charter along modern lines. The old patched and amended charter now in force is inadequate to present conditions. One of the great needs of Somerville, I believe, is the giving of more responsibility and authority to the heads of departments, which will result in the end in more efficient service. The question will also come up in the Legislature, the report of the citizens' charter commission made last winter having been referred to the next General Court. With the city council and the citizens' committee preparing drafts, it seems as if a suitable and modern charter could be prepared, which would be approved by the Legislature and accepted by the people. If consideration is given to the subject by your honorable bodies, it should be within the next few weeks, so that the draft may be presented in due season to the Legislature.

Gentlemen of the City Council:—

The different departments which I have described, and the problems suggested, all pertain to a business corporation. They must all be handled with the same care that we would bestow upon a private business concern, with the added responsibility that we are trustees or directors not merely for ourselves, but for the thousands who have selected us to do their work.

I have perfect confidence that you will be willing to perform your part in this business management. I feel sure that we shall work in harmony for one object only, to merit the approval of our citizens. Most of you have had experience in these duties and are aware of the long hours of confinement and study. You will be called upon to decide difficult and perplexing questions, it may be, effecting the interests of your best friends. In all such cases let us not hesitate to take our stand for the best interests of the whole city according to our best knowledge and belief on every occasion. I ask you for your hearty co-operation in working for the honor and welfare

of our city, and I pledge you every assistance within my power. You will be obliged at times to decide adversely to the wishes of some of your constituents for desirable improvements which you feel cannot be afforded this year.

Our tax rate is too high. Nothing catches the public ear as quickly as the tax rate. People looking for a home make that one of their first inquiries. The same is true of the manufacturer, the investor, the merchant. Other cities use this point against us, and urge the investing with them to save taxes.

I would not advise so much economy in any department this year that it would require extra expenditure next year. That would be no saving. We do not want to impair the efficiency of any department by too much economy, neither do we want any expenses approaching extravagance. Our policy should be so conducted that the present high tax rate of \$17.90 should be materially reduced. I believe we can do it. Believing that economy has been the one prominent issue in our election, I feel that we shall carry out the wishes of the people only by constantly keeping this principle in mind.





MAYOR'S VALEDICTORY ADDRESS.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, Dec. 31, 1898.

ORDERED: That the valedictory address delivered by His Honor the Mayor, before the City Council, December 28, 1898, be, and it hereby is referred to the next City Council, with a request that it may be printed with the annual reports for the current year.

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IN BOARD OF ALDERMEN, December 31, 1898.

Adopted and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, December 31, 1898.

Adopted in concurrence.

CHAS. S. ROBERTSON, *Clerk.*

# VALEDICTORY ADDRESS

DELIVERED BY

HON. ALBION A. PERRY,

DECEMBER 28, 1898.

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GENTLEMEN OF THE CITY COUNCIL:—

At the close of official service extending over three successive years, it seems proper to review briefly some of the more important work performed by the City Councils with which I have been so pleasantly associated. This I desire to do, not because the record of the last three years has any strikingly exceptional features, but merely to show that steady and commendable progress has been made along the lines established by those who were first charged with the duty of shaping the municipal policy of Somerville. It is enough to be able to say in general that no backward step has been taken, that the development of the city has not been checked by narrowness or parsimony, and, on the other hand, that the financial condition of the city has not been impaired by recklessness and extravagance. If, in passing, I throw out a few suggestions as to the future, do not attribute it to a desire to forestall the policy of my successor. He knows I am wholly free from such an ambition, and that, as a citizen, I have the fullest confidence in his ability to deal with all public questions as they shall arise.

I have intimated that the legislation of the last three years has not been characterized by any extraordinary features, and yet, during that period, many improvements have been undertaken and problems solved that had long perplexed the governments of the city. The years have been marked by quiet, earnest work. The City Council chambers have not resounded with the tones of bitter invective uttered by one member against another; no sensational investigations have been set on foot; there have been no wars or rumors of war. The official business committed to your hands and to the City Councils, with which I have been previously associated, has been transacted diligently and decorously, and you have fairly won the gratitude of your constituents by your painstaking efforts in their behalf.

For convenience, I shall group some of my remarks under specific heads, but in the main they will be of a somewhat rambling character.

#### INCREASE OF FUNDED DEBT.

Nothing in the official record of the last three years gives me greater satisfaction than the conservative policy pursued in adding to the funded debt. The increase from year to year during my administration has been as follows :—

|                            |   |   |   |   |   |   |   |             |
|----------------------------|---|---|---|---|---|---|---|-------------|
| 1896                       | . | . | . | . | . | . | . | \$24,500.00 |
| 1897                       | . | . | . | . | . | . | . | 17,000.00   |
| 1898                       | . | . | . | . | . | . | . | 4,000.00    |
| <hr/>                      |   |   |   |   |   |   |   |             |
| Total                      | . | . | . | . | . | . | . | \$45,500.00 |
| Average of annual increase | . | . |   |   |   |   |   | 15,166.66   |

During the seven years preceding 1896, the increase is shown by the appended table :—

|                               |   |   |   |   |   |   |   |              |
|-------------------------------|---|---|---|---|---|---|---|--------------|
| 1889                          | . | . | . | . | . | . | . | \$ 92,000.00 |
| 1890                          | . | . | . | . | . | . | . | 105,000.00   |
| 1892                          | . | . | . | . | . | . | . | 149,000.00   |
| 1893                          | . | . | . | . | . | . | . | 85,000.00    |
| <hr/>                         |   |   |   |   |   |   |   |              |
| <i>Amount carried forward</i> | . | . | . |   |   |   |   | \$431,000.00 |



|                                    |   |   |   |              |
|------------------------------------|---|---|---|--------------|
| <i>Amount brought forward</i>      | . | . | . | \$431,000.00 |
| 1894                               | . | . | . | 65,000.00    |
| 1895                               | . | . | . | 162,000.00   |
| <hr/>                              |   |   |   |              |
| Total gross increase               | . | . | . | \$658,000.00 |
| 1891 decrease                      | . | . | . | 12,000.00    |
| <hr/>                              |   |   |   |              |
| Total net increase for seven years | . | . | . | \$646,000.00 |

Average of annual increase for 7 years, \$92,285.71. Let it not be understood that these figures are given for the purpose of instituting a comparison unfavorable to earlier city councils. Nothing could be farther from my thought. Each period has its own needs, and I believe the expenditures which added so largely to the city debt from 1889 to 1895 met with the general approval of tax-payers. I present the tables chiefly to show that the increase of late in the tax rate is not due to debt requirements created while I have held the office of mayor. The exhibit would have been still more pleasing if my veto of certain items in this year's appropriation bill had been sustained. This I say in no complaining spirit, for I know you all voted for what you considered the best interests of the city, and it is quite possible that you, and not I, were in the right.

It is peculiarly gratifying to me that there has been no borrowing of money outside the statutory debt limit during my terms of service. Two attempts were made in 1896 to petition the Legislature for such a purpose, but both were thwarted by veto messages. The objects for which it was desired to create this questionable form of indebtedness were meritorious, but I believed they could be safely postponed until the financial condition of the city was strengthened. The result was in accordance with my belief, and Lincoln park has been acquired, and subways at Sacramento and Kent streets are now in use, without seeking special favors from the General Court.

#### EXPENDITURES ON FUNDED DEBT ACCOUNT.

One of the largest appropriations which the city council is compelled to make from year to year is entitled "Reduction of Funded Debt." In 1897 it amounted to \$110,000, in 1898 the

requirement was \$155,200. This large increase, which was in nowise within the control of the city council, added about ninety cents to the tax rate of the present year. You will be glad to know that next year's appropriation need not exceed \$127,000, a reduction of \$28,200. This means a decrease in the tax rate of about fifty-five cents. As fast as city bonds mature, they must be paid, and the amount of such maturities from year to year is determined by the action of preceding city councils. I refer to these facts at the present time to emphasize the importance of keeping down the public debt, and thus lessening the burden which those who come after us will be compelled to bear.

In addition to the city bonds maturing next year, to which I have already referred, water loan bonds, to the amount of \$32,500, will also come due. These bonds, in the sum of \$15,500, can be renewed if the city council deems it expedient so to do. As the requirements of the water debt are met from the water income, no appropriation from the tax levy will be necessary for the payment of the last-named bonds. This year, unnecessarily as it now proves, the water loan bonds were included in the appropriation for reduction of funded debt, and thus more than forty cents was added to the tax rate.

In order that you may see at a glance what use has been made of the money appropriated on funded debt account during the last three years, I have prepared the following table. The first column of figures shows the actual disbursements down to the present time, while the second column indicates the balances now remaining on hand.

EXPENDITURES ON FUNDED DEBT ACCOUNT IN  
1896, 1897 AND 1898.

|  | Expenditures. | Unexpended<br>Balances. |
|--|---------------|-------------------------|
| Almshouse . . . . .                      |               | \$20,000.00             |
| Armory . . . . .                         |               | 10,122.76               |
| City Hall Annex . . . . .                | \$11,587.43   |                         |
| City Hall Improvement . . . . .          | 32,085.27     |                         |
|  | <hr/>         | <hr/>                   |
| <i>Amounts carried forward</i> . . . . . | \$43,672.70   | \$30,122.76             |

|   |              |             |
|---|--------------|-------------|
| <i>Amounts brought forward</i>                | \$43,672.70  | \$30,122.76 |
| Electrical Department . . . . .               | 4,063.66     | 11.34       |
| Fire Department, Fire Station No. 1 . . . . . | 4,310.46     |             |
| “ “ Fire Station No. 4 . . . . .              | 7,054.42     |             |
| “ “ Fire Station, Clarendon Hill . . . . .    | 6,814.20     | 13,650.00   |
| “ “ Land on Medford street . . . . .          | 948.00       |             |
| Highways, City Stable . . . . .               | 1,191.00     |             |
| “ Paving Somerville avenue . . . . .          | 9,533.72     |             |
| “ Paving Webster avenue . . . . .             | 7,003.35     | 253.25      |
| “ Steam Road Roller . . . . .                 | 6,690.00     | 310.00      |
| “ Subway in Kent street . . . . .             | 3,264.18     |             |
| “ Subway in Sacramento street . . . . .       | 2,487.66     |             |
| Public Grounds, Lincoln park . . . . .        | 37,972.87    | 51.13       |
| “ “ Prospect Hill park . . . . .              | 20,356.21    |             |
| Schoolhouse, Burns Addition . . . . .         |              | 12,000.00   |
| “ English High . . . . .                      | 8,343.73     |             |
| “ Jacob T. Glines . . . . .                   | 26,500.00    |             |
| “ Luther V. Bell Improvement . . . . .        | 6,500.00     |             |
| “ Martin W. Carr . . . . .                    | 62,121.03    |             |
| “ Prescott Improvement . . . . .              | 3,350.96     | 2,649.04    |
| “ Sanford Hanscom . . . . .                   | 40,595.19    |             |
| “ William H. Hodgkins . . . . .               | 9,000.00     |             |
| “ Ward Two . . . . .                          | 9,750.03     | 28,224.97   |
| Sewers Construction . . . . .                 | 50,000.00    |             |
| Sidewalks . . . . .                           | 5,000.00     |             |
|   | <hr/>        | <hr/>       |
|   | \$376,523.37 | \$87,272.49 |

The foregoing figures do not represent all the expenditures for permanent improvements, as I have excluded the balances brought forward from the year 1895, together with the sum of \$75,000, received from water rates and used for the construction of storm-water drains.

#### NEW SOURCE OF REVENUE.

The city has received this year the first instalment of the so-called “compensation tax,” which the Boston Elevated Railway Company is obliged under its charter to pay. Somerville’s



share of the tax was found to be \$6,031.55. This is a new source of revenue, and will continue from year to year, increasing slightly with the growth of the corporation's earnings.

Next year, in addition to the compensation tax, the city will receive its share of the tax on the capital stock of the Elevated Company and leased lines, as apportioned under the street railway law of 1898. Somerville is a gainer by the provisions of this law to the extent, probably, of not less than \$20,000 a year. If two annual installments should be paid in 1899, as seems likely, the revenue of the city would be increased from forty to fifty thousand dollars. It is expressly provided that this money shall be expended on the highways, and it will be a great help in the care of our streets. I have been sharply criticised in some quarters for appearing before legislative committees in advocacy of laws more favorable to the poorer cities of the Commonwealth, and very bitter things were said against me because of my attacks upon the law giving to a few favored localities the bulk of the corporation tax. The new law governing the distribution of the tax on street railway stock is a recognition of the merits of the cause in which I have long labored.

#### SEWERS AND STORM-WATER DRAINS.

It seems proper to make special reference to what has been done to perfect the drainage system of Somerville. The amount of work performed in the sewer department during the last three years has exceeded that of any like period in the recent history of the city. The Tannery brook valley system of storm-water drainage was constructed in 1896, although it was projected, and the money to defray the cost was borrowed, during Mayor Hodgkins' administration. In my second inaugural address I commented at length upon the importance and magnitude of the undertaking, and it is not necessary to dwell upon it at this time. It was also in the year 1896 that nearly all the complicated and expensive structures were built which connect our local sewers with the Metropolitan sewerage system.

In 1897 a beginning was made upon the system of storm-water drains devised for the relief of the low lands in Wards

One and Three. A drain four feet and two inches in diameter was built in Mystic avenue, between Winthrop avenue and Wheatland street, and another immense structure, more than seven feet in diameter, was laid in Winthrop avenue throughout its entire length. Through this last-named drain all the storm water of the so-called Eastern drainage district of the city will be conducted to the Mystic river.

During the present year, the work begun in 1897 has been greatly extended. Two branches have been built from the southerly terminus of the Winthrop avenue drain, — one extending to the corner of School and Medford streets (and running through Broadway, Sargent avenue, Sherman court, Marshall street, Gilman square, and Medford street), the other branch running through Broadway and Cross street to the junction of the last-named street with Pearl street.

Much other important work has been done in the sewer department this year, including a storm relief drain from Union square through Bow and Summer streets, and a new sewer main, for house drainage only, in Somerville avenue, between Poplar street and Prospect street. Existing trunk sewers, in a part of the district lying south and east of Union square, will be used as storm-water drains when the new system for house sewage is completed.

Nearly a quarter of a million dollars has been expended in the construction of sewers and drains during the last three years, about \$40,000 of which has been assessed on estates benefited in a special manner. Great credit is due to the City Engineer and his assistants, as well as to the men who have served on the sewer committee, for the energy and skill which they have displayed in carrying on these important public enterprises.

In view of the much talked of increase in the tax rate, I will say further under this head that about \$75,000, in round numbers, has been expended the present year in the construction of storm-water drains. The outlay was necessary and commendable, and will not be condemned by the intelligent and public-spirited tax-payer. The districts relieved by these new drains had suffered year after year from flooded cellars, and the



inmates of the houses were compelled to live under conditions which not only produced great discomfort, but also created a serious menace to health.

The money expended the present year in building storm-water drains was obtained from water rates. If I had desired to make a good financial showing, rather than to promote the welfare of the people, I should not have recommended such a use of the surplus water revenue. By applying it to the payment of maturing debt, or appropriating it for current expenses, a reduction of about \$1.50 could have been made in the tax rate.

Some of our citizens have felt that it was not just to use water income except for the maintenance of the water department, and they have suggested that the water rates should be reduced so as to represent the exact cost of the water. But it is to be remembered that the entire cost of a water supply can not be computed until the expense of conducting away all the waste water is ascertained. It is the free use of running water in our houses and industrial establishments that makes a sewer system necessary in the first instance, hence there is no injustice in using a part of the water revenue for the construction of drains. The volume of waste water in the sewers had become so great, that we were forced to build a separate system of drains in many parts of the city to carry off the storm water. A part of the expense thus incurred has been met from water rates, and with propriety, as I believe.

It should also be borne in mind, in considering this question of the application of water revenue, that for many years the water department was not self-supporting, and the deficiency was provided for in the general tax levy. Owners of vacant lands have been taxed year after year in order to keep down water rates for the benefit of householders. Now, when the income from water has been greatly increased by the adoption of the Metropolitan system, it is only fair that water takers should repay a part of the debt which they owe to the general public. This equitable debt, as nearly as can be estimated, amounts to \$103,347.65.

## METROPOLITAN WATER SUPPLY.

The introduction into our city of the new Metropolitan water supply was one of the most notable events of the present municipal year. The quality of the water is declared by experts to be good, and the quantity is abundant. No intelligent citizen of Somerville regrets that henceforth he will be able to look upon the beautiful surface of Mystic lake, without being compelled to drink the noxious substances which its waters hold in solution.

The pecuniary advantages of the new water system are also important. No increase was made in the water rates the present year, and yet the income was sufficient for the needs of the department, and, as I have elsewhere shown, a surplus of not less than \$75,000 remained for other public uses. The return for 1899 is likely to be still more favorable, as the expenses of the water department have been unusually large during the last twelve months, owing to the erection of new buildings and the relaying of defective pipe.

The profits obtained this year from the sale of water are an indication of the advantages which might be derived from public ownership of street railways, gas and electric lighting plants, telephone franchises, and other enterprises of like character. All that is lacking is courage on the part of the people to take possession of these monopolistic industries, and operate them for the benefit of the entire public instead of a few rich stockholders.

## ARMORY.

The sum of \$15,000 was appropriated on funded debt account the present year for the erection of an armory to be occupied by our local militia company. I vetoed this item in the appropriation bill because, on the statement of the captain of the company, it seemed to be excessive. The veto was not sustained, however, and the money was borrowed. No step has yet been taken toward the erection of an armory. A part of the money has been transferred to other accounts, and the balance will be available for such uses as the incoming city council may be pleased to make of it.

In my last inaugural address you will find these words:—"A radical change should be made in the laws relating to the establishment and maintenance of armories and drill-rooms. Not a single sound argument can be adduced in support of the present practice of requiring cities and towns to erect and maintain costly buildings for the use of the State militia. The militia is established for the protection of the entire Commonwealth and not for the comparatively few cities and towns which have military organizations within their borders. Hence, it would seem that the cost of equipping and housing the various companies should be borne by the State."

Still later, in the month of February, I called the attention of the city council to a resolve which had been introduced into the Legislature for the appointment of a commission to inquire into the advisability of changing the militia laws so that the Commonwealth should provide all armories. I suggested that it might be well to defer action in relation to a new armory until the report of the commission was received. On the twenty-third day of February, Capt. Herbert W. Whitten and others appeared before the city council to urge immediate action upon the petition of Company M for a new armory. At this hearing Captain Whitten stated, among other things, that he had made an investigation at the State House of the question of State ownership of armories, and "the only thing there was a resolve for a committee to investigate and consider the question of State *control* of armories and rifle ranges, with a view of securing unanimity of management. There was nothing in it," he said, "to provide for the State building armories."

I did not think it proper to enter into a discussion with Captain Whitten, whom we all so highly honor, as to the scope of the legislative resolve, but from the language of the resolve itself, as well as from statements made to me by gentlemen high in military affairs, I felt that Captain Whitten might have been misled in his interpretation of the functions of the commission. Within a few days the Commissioners' Report has been filed, and from it I quote the following:—



“Armories and ranges should be owned or leased and controlled solely by the State. They should not be used except by the organizations of the volunteer militia, and should be restricted in their use to purely military purposes. Cities and towns should not, as now, be required to provide armories and ranges. The State decides where they are to be located; the State should bear the entire expense.” The commissioners recommend that the laws be changed to conform to their suggestions.

I have referred to this matter at some length in confirmation of statements heretofore made by me to the city council, and for the further purpose of urging that no money should be expended in the erection of an armory until the Legislature takes action on the recommendations of the commission.

#### FIRE DEPARTMENT.

In my inaugural addresses I have briefly commented upon the rapid growth of the fire department in recent years,—a growth which has been out of proportion to other equally important departments. While recognizing the necessity for a well equipped and efficient service for the extinguishment of fires, I believe it is easy to magnify the actual requirements of the fire department in a city situated as is our own. In the case of a great conflagration, we are not compelled to rely wholly upon our own resources in battling with the flames. The departments of neighboring cities cheerfully respond to calls for aid, in return for a like service on our part. This reciprocal service among adjacent municipalities is of great advantage to all, and materially decreases the cost of maintaining fire departments.

The liberal provision made for the fire department in this city has added to the volume of the funded debt, and calls for an annual appropriation of somewhat formidable proportions. With the completion of the building now in process of erection on Clarendon Hill, nearly every part of the city will be provided with ample protection. I can not think of any outlay for fire stations, involving the making of debt, which will be required for several years, with the exception of extensive

improvements upon the building at the corner of Washington and Prospect streets.

With the introduction of the Metropolitan high-service water supply, the means of extinguishing fires in the more elevated districts of the city ought to be materially improved. By enlarging and extending the high service throughout the Metropolitan district, it would be possible to do away in part with the use of steam fire engines in the several cities and towns, thus reducing by thousands of dollars the annual appropriation for fire department purposes. This is a subject of great importance not only to Somerville, but to every city and town using the Metropolitan water supply. I am glad to know that Chief Engineer Hopkins has taken the initiative in the public discussion of the question.

#### POLICE DEPARTMENT.

We have all been disappointed in not being able to increase the police department during the present year. The force is actually smaller to-day than it was three years ago, notwithstanding the growth of the city has called for the employment of additional patrolmen. It is to be hoped that our successors will at least find a way to make up the full number of the reserve force, from which appointments to the regular force may be made. The Chief of Police has modestly refrained from pressing his just claim for more patrolmen, and has practised the most rigid economy in the management of his department.

#### OVERDRAFTS IN 1897.

The present city council received from its predecessor a legacy of unpaid bills amounting to \$26,772.50. This sum was, of necessity, provided for in the tax levy of 1898, and added a little more than fifty cents to the tax rate of the present year. It is gratifying to know that not a dollar's deficiency will exist when the books of the treasurer are balanced next Saturday,—that the incoming city council will start with an absolutely clean score.

#### IMPORTANT PUBLIC IMPROVEMENTS.

If time permitted, it would be interesting to refer in detail to some of the most important improvements carried on during



the last three years. I can only make briefest mention of a few.

The city hall building has been enlarged and newly furnished, giving ample accommodations to the several departments. This measure had been under discussion for many years, and it was feared that a heavy debt would be incurred in the erection of a new building. The tax-payers are elated over the satisfactory and inexpensive solution of a problem that had taxed the ingenuity of city governments for a quarter of a century.

The abandoned engine house, at the corner of Highland avenue and Walnut street, has been remodelled and fitted up for the use of the Superintendent of Schools, the Board of Overseers of the Poor, and our local Grand Army Post. It furnishes excellent accommodations to its occupants, and no longer stands in a dilapidated condition to mar the beauty of Central Hill park.

Sanborn Field has been purchased and laid out as a public park and playground, and land has been acquired for park purposes on historic Prospect hill. Subways have been built at Kent and Sacramento streets, enabling our people, and especially school children, to cross the Fitchburg railroad without risk to life and limb. Funds have been provided for the purchase of a site for an almshouse.

The Sanford Hanscom and Martin W. Carr schoolhouses have been built, both of them ornaments to the city and a boon to our rapidly increasing school population. A third school building is now in process of erection in Ward Two. Extensive alterations and improvements have been made in other schoolhouses.

A new fire station on Clarendon Hill is approaching completion, and large expenditures have been made on some of the old buildings of the fire department. More than \$16,000 has been expended for granite paving in Somerville and Webster avenues. Other projects, of great magnitude, I have referred to under separate heads.

#### INCREASE OF TAX RATE.

The increase in the tax rate during my administration has been a great disappointment to me as well as to our citizens

generally ; but it was due in part to temporary causes, and a reduction next year may be confidently expected. I base my prediction of a lower tax rate upon the following facts :—

1. That no unpaid bills will be carried forward this year to burden the incoming administration.

2. That the new method of apportioning the tax on stock of street railway corporations will give the city a large additional revenue.

3. That it will not be necessary, as it has been this year, to use all the surplus water revenue for storm-water drains.

4. That a much smaller appropriation will be required for reduction of the funded debt.

5. That there are but few public improvements of an urgent character to call for appropriations on funded debt account.

I have already pointed out several causes contributing to the high tax rate of the present year. One of the most important, however, has not yet been mentioned, and is found in the comparatively small increase in the taxable valuation of the city. The widespread depression in business, continuing already for several years, has retarded building operations and checked the rise in the value of real estate. The increase in taxable property during the last three years has been as follows :—1896, \$2,564,500 ; 1897, \$1,160,200 ; 1898, \$508,700. The foregoing increases in valuation represent the following decreases in tax rate, or would do so if there were no other factors in the problem :—1896, eighty-five cents on \$1,000 ; 1897, forty-one cents on \$1,000 ; 1898, eighteen cents on \$1,000.

#### DEATH OF PROMINENT CITIZENS.

During the present year Somerville has lost several of her most distinguished citizens, some of them men who had served the city with great ability and fidelity in positions of public trust. Among the number who have passed away, you will recall the names of Ex-Mayor Mark F. Burns, Public Librarian John S. Hayes, and Ex-Aldermen Ezra D. Souther and J. Leland Norcross. Each one of them I was proud to call my friend, and with all of them I had been closely associated in

official service. They were men of sterling qualities, giving the best of their thought and labor to advance the interests of the city in which they dwelt. On other occasions I have paid them my humble tribute of just and loving praise, and it is not meet that encomiums should be repeated at this hour. I only hope that when the last page of our several records is written, we may, like them, merit the gratitude and respect of those from whose hands we have received public honors.

I venture at this time to express the hope that before another mayor retires from office we shall see a suitable monument standing on Central hill to commemorate the valor of the soldiers of the Union army.

Gentlemen of the City Council :—

While, in my present state of health, it is a satisfaction to be relieved from public duties, let me say in all frankness that I do not quit the office of mayor without a twinge of sadness. In a city like Somerville, it is not only a position of great honor, but it has also many delightful features which fully compensate for the responsibilities its incumbent must assume and the burdens he must bear.

When I entered the office, I promised to give the full measure of my ability and strength to the service of my fellow-citizens. I have tried to keep my pledge. The meagreness of the ability has brought more shame to me than to them, for they have looked upon my efforts with a charity that has never failed. The strength has been far less than I had hoped, but it has all been used for what I conceived to be the welfare of my city and my fellowmen. If the work were again to fall to my hands, I might escape many errors of the past, but I could not act with any greater honesty of purpose.

It is only simple justice to say that the pleasures of my official service have been greatly enhanced by the unvarying courtesy and consideration accorded to me by the several city councils with which I have been associated. During the three years I have gone in and out among the members of the city government, I do not recall a single act or word, directed to me personally, that has caused a moment's pain or left the slightest



sting. On the contrary, I have been led to feel that I was acting not only with official associates, but also with warm personal friends.

You have not agreed with me at all times on public measures. It would not have been reasonable to expect such unbroken accord. But whenever you have expressed dissent from my opinions, you have done so in a way that could not cause offence to the most sensitive mind. Some of you may have felt that my use of the veto power was too frequent, and not always wisely exercised ; but no one of your number has ever questioned the sincerity of my motives in applying to legislation the one check which the statutes of the Commonwealth have placed in the mayor's hands. The same confidence you have had in the honesty of my purposes has characterized my feelings toward you. We have simply differed in judgment on a few matters of public policy, as is the wont with men everywhere and at all times. In this connection, it may be of interest to you to learn that since the veto power was given to mayors in this Commonwealth, twenty years ago, just forty-eight veto messages have been presented to the city councils of Somerville. Of this number, seventeen were written by my predecessors in office, and thirty-one by myself. As evidence of the good feeling which has existed between the legislative and executive branches of the city government during the last three years, I will add that all but three of my vetoes have been sustained, and the objections raised in two that were overruled were fully met by subsequent legislation.

Considering some of the political conditions attending the election of city councils and mayor in Somerville of late, it would not have been strange if antagonisms had arisen from time to time between the legislative and executive departments. Happily, however, this has not been the case, and for harmony of action in all branches of the public service the record of the last three years has never been surpassed. I do not call to mind a single appointment which I have made that has failed of unanimous confirmation. The members of the city councils with whom I have been associated have transacted public business in a spirit of mutual confidence and

respect. Their discussions have been characterized by courtesy and good feeling. They have seemed to be imbued with the sentiment which breathes in the lines of our revered Quaker poet :—

“ To differ is not crime,  
The varying bells make up the perfect chime.”

Not only have my relations with the several city councils been most cordial, but I have at all times received the kindest treatment from the executive officers of the city. They have responded cheerfully to every request for counsel or service, and their coöperation has been a source of strength and courage in the performance of my duties. If I should refer to them by name, the list would include every official and head of department. Not one of them has ever spoken a word or done an act to cause the slightest friction between his office and my own. Never was a city more highly favored than is Somerville in the character of its officers and employees.

While our leave-takings to-night are not without an element of sadness, there are many things in which we may find incitements to hope and joy. The present condition and future prospects of our city are such as to make glad the hearts of its friends. We have a right to be proud of Somerville. It is a city beautiful in its situation and surroundings. It is blest with a population which embodies the best qualities of manhood and the noblest traits of womanhood. Its public affairs are managed in an honest and intelligent manner. Its citizenship is protected by every legal and moral safeguard. It will be still more attractive as a place of residence in the years to come, when, as I trust, its river valley will be transformed into a beautiful parkway, its public grounds be still further embellished, its highways made clean and smooth, the advantages of its schools and library extended, and all its agencies for the physical, intellectual, and spiritual welfare of mankind enlarged by the superior wisdom of that new century, whose messenger is already knocking at the door. To have shared for a time in the government of such a city is an honor which no one of us lightly esteems.



Our official relations, gentlemen, will soon be at end, but I am sure the friendly ties which have been formed in this building will not be broken while life lasts. In all the coming years, whether they be few or many, I shall look back with unfeigned pleasure to the public service which we have shared together. The uniform kindness and courtesy which you have extended to me will not be forgotten, and in private life I shall cherish the friendship of the men whose confidence and support have been of such great value to me in the performance of arduous public duties. If my desires could bring prosperity and happiness to your future days, each one of you would be assured of a life resplendent with sunshine and joy.

REPORT  
OF THE  
TREASURER AND COLLECTOR  
OF TAXES.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 18, 1899.

Referred to Committee on Finance, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 18, 1899.

Referred to Committee on Finance, in concurrence.

CHAS. S. ROBERTSON, *Clerk.*

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IN COMMITTEE ON FINANCE, February 10, 1899.

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Finance, to whom was referred the report of the Treasurer and Collector of Taxes, for the year 1898, report that in compliance with Section 10 of Chapter 4 of the Revised Ordinances, they have, in conjunction with the Auditor, examined and audited the books and accounts of the Treasurer and Collector of Taxes for the year ending December 31, 1898, and in the manner prescribed by said section. In connection with this examination, a careful comparison has been made with the books of the City Auditor and with the financial statements received from the several committees, boards and officers of the city accountable for the use of the city funds. The cash account of the Treasurer has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been confirmed by the officers of the several banks.

We are pleased to report, as a result of the examination, that no errors were discovered in the accounts and books of the Treasurer and Collector, which are models of neatness and care, and we recommend that his report be accepted and printed in the Annual Reports of 1898.

|                      |                               |
|----------------------|-------------------------------|
| GEORGE O. PROCTOR,   | } Committee<br>on<br>Finance. |
| FREDERICK M. KILMER, |                               |
| ISAAC M. STORY,      |                               |
| CHARLES A. GRIMMONS, |                               |
| ROBERT BURNS,        |                               |
| ARTHUR P. VINAL,     |                               |
| W. H. CUSHMAN,       |                               |
| PAUL J. SMITH,       |                               |

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IN BOARD OF ALDERMEN, February 15, 1899.

Accepted and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 16, 1899.

Accepted, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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TREASURER'S OFFICE, January 12, 1899.

TO THE HONORABLE, THE MAYOR, AND CITY COUNCIL OF THE  
CITY OF SOMERVILLE:—

*Gentlemen:*—The undersigned presents herewith the twenty-seventh annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1898.

The value of the property of the city December 31, 1897, was \$2,638,100.12. The property acquired during the year was as follows:—

|  |             |
|--|-------------|
| Fire Alarm and Police Patrol Boxes . . . .     | \$ 1,500.00 |
| Fire Station, Clarendon Hill . . . . .         | 7,350.00    |
| Highway Department, Steam Road Roller . . . .  | 3,190.00    |
| Public Grounds, Lincoln Park . . . . .         | 4,987.87    |
| Public Grounds, Prospect Hill Park . . . . .   | 20,356.21   |
| Schoolhouse, Spring Hill District (M. W. Carr) | 40,041.60   |
| Schoolhouse, Ward Two . . . . .                | 9,872.53    |
| Somerville Water Works . . . . .               | 26,970.22   |

---

Total amount of property acquired during  
the year . . . . . \$114,268.43  
Making the value of the public property December 31, 1888, as  
per Table A, \$2,752,368.55.

The Funded Debt December 31, 1897, as per Table B of the last annual report, was \$1,548,000.00.

The debt was increased during the year by appropriations as follows:—

|  |                  |
|--|------------------|
| Schoolhouse, Spring Hill District (M. W. Carr) | \$6,000.00       |
| Schoolhouse, English High . . . . .            | 1,000.00         |
| <i>Amount carried forward</i> . . . . .        | <hr/> \$7,000.00 |



|   |              |
|---|--------------|
| <i>Amount brought forward</i> . . . . .         | \$ 7,000.00  |
| Schoolhouse, Prescott, Heating and Ventilating  | 6,000.00     |
| Schoolhouse, Ward Two . . . . .                 | 34,000.00    |
| Schoolhouse, Burns, Addition . . . . .          | 12,000.00    |
| Public Grounds, Lincoln Park . . . . .          | 5,000.00     |
| Public Grounds, Prospect Hill Park . . . . .    | 20,000.00    |
| Highways, Steam Road Roller . . . . .           | 3,500.00     |
| Highways, Paving Webster avenue, Fitchburg      |              |
| Railroad to Cambridge line . . . . .            | 7,000.00     |
| Sidewalks . . . . .                             | 5,000.00     |
| Electrical Department, Police Patrol Boxes .    | 1,500.00     |
| Support of Poor, Almshouse . . . . .            | 20,000.00    |
| Fire Department, Fire Station, Clarendon Hill . | 15,000.00    |
| Sewers, Construction . . . . .                  | 25,000.00    |
| Armory . . . . .                                | 15,000.00    |
| <hr/>   |              |
| Total amount of appropriations on Funded        |              |
| Debt account . . . . .                          | \$176,000.00 |

To provide for the above-mentioned appropriations the following bonds were issued, viz. :—

|  |             |
|--|-------------|
| City Loan Bonds Nos. 2,365 to 2,375, payable |             |
| 1899, interest 4 per cent. . . . .           | \$11,000.00 |
| City Loan Bonds Nos. 2,376 to 2,386, payable |             |
| 1900, interest 4 per cent. . . . .           | 11,000.00   |
| City Loan Bonds Nos. 2,387 to 2,396, payable |             |
| 1901, interest 4 per cent. . . . .           | 10,000.00   |
| City Loan Bonds Nos. 2,397 to 2,406, payable |             |
| 1902, interest 4 per cent. . . . .           | 10,000.00   |
| City Loan Bonds Nos. 2,407 to 2,416, payable |             |
| 1903, interest 4 per cent. . . . .           | 10,000.00   |
| City Loan Bonds Nos. 2,417 to 2,426, payable |             |
| 1904, interest 4 per cent. . . . .           | 10,000.00   |
| City Loan Bonds Nos. 2,427 to 2,436, payable |             |
| 1905, interest 4 per cent. . . . .           | 10,000.00   |
| City Loan Bonds Nos. 2,437 to 2,446, payable |             |
| 1906, interest 4 per cent. . . . .           | 10,000.00   |
| <hr/>  |             |
| <i>Amount carried forward</i> . . . . .      | \$82,000.00 |

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 79

|  |              |
|--|--------------|
| <i>Amount brought forward</i>  | \$82,000.00  |
| City Loan Bonds Nos. 2,447 to 2,456, payable<br>1907, interest 4 per cent.                           | 10,000.00    |
| City Loan Bonds Nos. 2,457 to 2,465, payable<br>1908, interest 4 per cent.                           | 9,000.00     |
| City Loan Bonds Nos. 2,466 to 2,470, payable<br>1909, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,471 to 2,475, payable<br>1910, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,476 to 2,480, payable<br>1911, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,481 to 2,485, payable<br>1912, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,486 to 2,490, payable<br>1913, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,491 to 2,495, payable<br>1914, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,496 to 2,500, payable<br>1915, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,501 to 2,505, payable<br>1916, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,506 to 2,510, payable<br>1917, interest 4 per cent.                           | 5,000.00     |
| City Loan Bonds Nos. 2,511 to 2,515, payable<br>1918, interest 4 per cent.                           | 5,000.00     |
| Sewer Loan Bonds Nos. 199 to 223, payable<br>1898 to 1902, \$1,000 annually, interest 4<br>per cent. | 25,000.00    |
| Total amount of bonds issued in 1898   | \$176,000.00 |

The following bonds became due and were paid during the year, viz.: —

|  |             |
|--|-------------|
| City Loan Bonds Nos. 1,274 to 1,283, interest<br>4 per cent. | \$10,000.00 |
| City Loan Bonds Nos. 1,611 to 1,619, interest<br>4 per cent. | 9,000.00    |
| <i>Amount carried forward</i>                                | \$19,000.00 |

|   |                    |
|---|--------------------|
| <i>Amount brought forward</i> . . . . .                               | \$19,000.00        |
| City Loan Bonds Nos. 1,772 to 1,790, interest<br>4 per cent. . . . .  | 19,000.00          |
| City Loan Bonds Nos. 2,068 to 2,077, interest<br>4 per cent. . . . .  | 10,000.00          |
| City Loan Bonds Nos. 2,223 to 2,233, interest<br>4 per cent. . . . .  | 11,000.00          |
| City Loan Bonds Nos. 970 to 993, interest 4 per<br>cent. . . . .      | 24,000.00          |
| City Loan Bonds Nos. 1,073 to 1,082, interest<br>4 per cent. . . . .  | 10,000.00          |
| City Loan Bonds Nos. 1,131 to 1,134, interest<br>4 per cent. . . . .  | 4,000.00           |
| City Loan Bonds Nos. 1,189 to 1,195, interest<br>4 per cent. . . . .  | 7,000.00           |
| City Loan Bonds Nos. 1,421 to 1,444, interest<br>4½ per cent. . . . . | 24,000.00          |
| City Loan Bonds Nos. 1,284 to 1,293, interest<br>4 per cent. . . . .  | 10,000.00          |
| Sewer Loan Bond No. 57, interest 4 per cent. .                        | 1,000.00           |
| Sewer Loan Bond No. 174, interest 4 per cent. .                       | 1,000.00           |
| Sewer Loan Bond No. 40, interest 4½ per cent. .                       | 1,000.00           |
| Sewer Loan Bonds Nos. 82 to 85, interest 4 per<br>cent. . . . .       | 4,000.00           |
| City Loan Paving Bonds Nos. 26 to 30, interest<br>4 per cent. . . . . | 5,000.00           |
| Water Loan Bonds Nos. 152 to 166, interest 5<br>per cent. . . . .     | 15,000.00          |
| Water Loan Bond No. 287, interest 4 per cent. .                       | 1,000.00           |
| Water Loan Bond No. b449, interest 4 per cent. .                      | 1,000.00           |
| Water Loan Bonds Nos. 327 to 329, interest 4<br>per cent. . . . .     | 3,000.00           |
| Water Loan Bonds Nos. 407 to 408, interest 4<br>per cent. . . . .     | 2,000.00           |
| Total amount of bonds paid during the year .                          | <hr/> \$172,000.00 |

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 81

Leaving the net Funded Debt, December 31, 1898, as per Table B, \$1,552,000.00, classified as follows :—

|  |                |                |
|--|----------------|----------------|
| City Loan Bonds bearing interest at 4 per cent.                    | \$907,000.00   |                |
| City Loan Bonds bearing interest at $4\frac{1}{2}$ per cent.       | 137,000.00     |                |
| City Loan Sewer Bonds bearing interest at 4 per cent.              | 153,000.00     |                |
| City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent. | 13,000.00      |                |
| City Loan Paving Bonds bearing interest at 4 per cent.             | 70,000.00      |                |
| Water Loan Bonds bearing interest at 4 per cent.                   | 234,000.00     |                |
| Water Loan Bonds bearing interest at 5 per cent.                   | 28,000.00      |                |
| Water Loan Bonds bearing interest at $5\frac{1}{2}$ per cent.      | 10,000.00      |                |
|  |                | <hr/>          |
| Total Funded Debt, City Loan .                                     | \$1,122,000.00 |                |
| Total Funded Debt, Water Loan .                                    | 272,000.00     |                |
| Total Funded Debt, Paving Loan<br>(outside legal limit) . . .      | 70,000.00      |                |
| Total Funded Debt, Sewer Loan<br>(outside legal limit) . . .       | 88,000.00      |                |
|  |                | <hr/>          |
|  |                | \$1,552,000.00 |



## RESOURCES.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was received.

The total amount of taxable property was \$50,739,700, and the rate of taxation was \$17.90 on each \$1,000 valuation as follows:—

|   |                 |                |
|---|-----------------|----------------|
| Real Estate, valuation . . .  | \$47,015,775.00 |                |
| Personal Estate, valuation . . .  | 3,723,925.00    |                |
|   |                 | <hr/>          |
| Total valuation . . .   | \$50,739,700.00 |                |
| At a rate of \$17.90 on \$1,000 valuation . . .                                     |                 | \$908,240.63   |
| Polls, 16,281 at \$2.00 . . .   |                 | 32,562.00      |
| Street Watering, 334,612 linear feet at 4 cents . . .                               |                 | 13,384.48      |
|   |                 | <hr/>          |
| Total amount of tax levy . . .  |                 | \$954,187.11   |
| Borrowed on Funded Debt account to provide<br>for cost of public improvements . . . |                 | 176,000.00     |
| Water Works income . . .  |                 | 200,735.03     |
| National Bank and Corporation Taxes . . .   |                 | 27,463.89      |
| Court Fees, Fines, etc. . .   |                 | 3,776.50       |
| County of Middlesex, dog licenses . . .   |                 | 2,268.86       |
| Unexpended balance of 1897 . . .  |                 | 60,450.80      |
| Received from all other sources . . .   |                 | 50,474.98      |
|   |                 | <hr/>          |
| Total amount of resources . . .   |                 | \$1,475,357.17 |

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 83

The appropriations, credits and balances of the various accounts were as follows:—

| Accounts.  | Appropriations. | Credits. | Expenditures<br>and Balances. |
|--|-----------------|----------|-------------------------------|
| Armory:—   |                 |          |                               |
| Appropriation, Fund-<br>ed Debt account . \$15,000.00          |                 |          |                               |
| Transferred to other<br>accounts . 4,877.24                    |                 |          |                               |
|  | \$10,122.76     |          |                               |
| Balance to 1899 . . . .  |                 |          | \$10,122.76                   |
| Electrical Department:—  |                 |          |                               |
| Appropriation . . . .  | 6,400.00        |          |                               |
| Old material sold . . . .                                      |                 | \$42.70  |                               |
| Expenditures . . . .   |                 |          | 6,797.74                      |
| Deficiency . . . .   |                 |          | 355.04                        |
| Electrical Department, Fire Alarm<br>and Police Patrol Boxes:— |                 |          |                               |
| Appropriation, Funded Debt ac-<br>count . . . . .              | 1,500.00        |          |                               |
| Expenditures . . . . .   |                 |          | 1,500.00                      |
| Engineering Department:—                                       |                 |          |                               |
| Appropriation . . . . .  | 9,000.00        |          |                               |
| Received for services . . . .                                  |                 | 61.50    |                               |
| Expenditures . . . . .   |                 |          | 9,040.21                      |
| Excess . . . . .   |                 |          | 21.29                         |
| Excess and Deficiency, 1898:—                                  |                 |          |                               |
| Appropriation . . . . .  | 8,400.00        |          |                               |
| Deficiency of 1897 . . . .                                     |                 |          | 8,369.38                      |
| Excess to 1899 . . . . .                                       |                 |          | 30.62                         |
| Fire Department:—  |                 |          |                               |
| Appropriation . . . . .  | 56,000.00       |          |                               |
| Horses sold, etc. . . . .                                      |                 | 332.40   |                               |
| Expenditures . . . . .   |                 |          | 57,388.65                     |
| Deficiency . . . . .   |                 |          | 1,056.25                      |
| Fire Department, Fire Station No. 3,<br>Improvement:—          |                 |          |                               |
| Balance from 1897 . . . .                                      |                 | 52.00    |                               |
| Excess . . . . .   |                 |          | 52.00                         |

| Accounts.   | Appropriations. | Credits.   | Expenditures<br>and Balances. |
|---|-----------------|------------|-------------------------------|
| Fire Department, Fire Station, Clarendon Hill:—                         |                 |            |                               |
| Appropriation, Funded Debt account . . . . .                            | \$15,000.00     |            |                               |
| Expenditures . . . . .  |                 |            | \$ 7,350.00                   |
| Balance to 1899 . . . . .   |                 |            | 7,650.00                      |
| Health Department:—   |                 |            |                               |
| Appropriation . . . . .   | 20,000.00       |            |                               |
| Offal and permits . . . . .   |                 | \$1,603.92 |                               |
| Expenditures . . . . .  |                 |            | 25,020.80                     |
| Deficiency . . . . .  |                 |            | 3,416.88                      |
| Highways:—  |                 |            |                               |
| Appropriation . . . . .   | \$65,000.00     |            |                               |
| Transferred to other accounts . . . . .                                 | 167.41          |            |                               |
|   | <hr/>           |            |                               |
|   | 64,832.59       |            |                               |
| Labor, materials, and teaming . . . . .                                 | \$4,384.13      |            |                               |
| Transferred to Highways, Subway at Kent street account . . . . .        | 99.65           |            |                               |
|   | <hr/>           |            |                               |
|   |                 | 4,284.48   |                               |
| Expenditures . . . . .  |                 |            | 68,761.01                     |
| Excess . . . . .  |                 |            | 356.06                        |
| Highways, Paving Somerville avenue from Park street, westerly:—         |                 |            |                               |
| Balance from 1897 . . . . .   | \$466.28        |            |                               |
| Transferred to Highways, paving Webster avenue account . . . . .        | 256.60          |            |                               |
|   | <hr/>           |            |                               |
|   |                 | 209.68     |                               |
| Expenditures . . . . .  |                 |            | 209.68                        |
| Highways, Paving Webster avenue, Fitchburg Railroad to Cambridge line:— |                 |            |                               |
| Appropriation, Funded Debt account . . . . .                            | 7,000.00        |            |                               |
| Transferred from Highways, paving Somerville avenue account . . . . .   |                 | 256.60     |                               |
| Edgestones . . . . .  |                 | 30.35      |                               |
| Expenditures . . . . .  |                 |            | 7,033.70                      |
| Balance to 1899 . . . . .   |                 |            | 253.25                        |

# REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 85

| Accounts.  | Appropriations. | Credits.  | Expenditures<br>and Balances. |
|--|-----------------|-----------|-------------------------------|
| Highways, Subway at Kent street:—                              |                 |           |                               |
| Balance from 1897 . . . .                                      |                 | \$257.99  |                               |
| Transferred from other accounts                                |                 | 148.81    |                               |
| Expenditures . . . .   |                 |           | \$406.80                      |
| Highways, Subway at Sacramento street:—                        |                 |           |                               |
| Balance from 1897 . . . .                                      | \$561.50        |           |                               |
| Transferred to Highways, Subway at Kent street account . . . . | 49.16           |           |                               |
|  |                 | 512.34    |                               |
| Expenditures . . . .   |                 |           | 512.34                        |
| Highways, Steam Road Roller:—                                  |                 |           |                               |
| Appropriation, Funded Debt account . . . .                     | \$3,500.00      |           |                               |
| Expenditures . . . .   |                 |           | 3,190.00                      |
| Excess . . . .   |                 |           | 310.00                        |
| Indigent Soldiers and Sailors:—                                |                 |           |                               |
| Appropriation . . . .  | 400.00          |           |                               |
| State of Massachusetts . . . .                                 |                 | 269.00    |                               |
| Expenditures . . . .   |                 |           | 538.00                        |
| Excess . . . .   |                 |           | 131.00                        |
| Interest:—   |                 |           |                               |
| Appropriation . . . .  | \$80,000.00     |           |                               |
| Transferred to other accounts . . . .                          | 12,200.00       |           |                               |
|  | 67,800.00       |           |                               |
| On taxes, etc. . . .   |                 | 13,315.54 |                               |
| Expenditures . . . .   |                 |           | 66,498.27                     |
| Excess . . . .   |                 |           | 14,617.27                     |
| Miscellaneous:—  |                 |           |                               |
| Appropriation . . . .  | \$9,000.00      |           |                               |
| Transferred from Interest account . . . .                      | 5,000.00        |           |                               |
|  | 14,000.00       |           |                               |
| Costs on taxes, etc. . . .                                     |                 | 5,429.09  |                               |
| Expenditures . . . .   |                 |           | 17,208.61                     |
| Excess . . . .   |                 |           | 2,220.48                      |



| Accounts.  | Appropriations. | Credits. | Expenditures<br>and Balances. |
|--|-----------------|----------|-------------------------------|
| Overlay and Abatement:—  |                 |          |                               |
| Appropriation . . . . .  | \$1,823.64      |          |                               |
| Taxes . . . . .  |                 | \$20.70  |                               |
| Abatements in 1898 less balance<br>of \$2,539.04 from 1897 . . . |                 |          | \$3,373.77                    |
| Deficiency . . . . .   |                 |          | 1,529.43                      |
| Police:—   |                 |          |                               |
| Appropriation . . . . .  | 48,500.00       |          |                               |
| Court fees, fines, etc. . . . .                                  |                 | 3,776.50 |                               |
| Expenditures . . . . .   |                 |          | 52,616.34                     |
| Deficiency . . . . .   |                 |          | 339.84                        |
| Police Station Incidentals:—                                     |                 |          |                               |
| Appropriation . . . . .  | 2,000.00        |          |                               |
| Rent of Police Court . . . . .                                   |                 | 600.00   |                               |
| Expenditures . . . . .   |                 |          | 2,098.46                      |
| Excess . . . . .   |                 |          | 501.54                        |
| Printing and Stationery:—  |                 |          |                               |
| Appropriation . . . . .  | \$6,500.00      |          |                               |
| Transferred from In-<br>terest account . . . . .                 | 1,500.00        |          |                               |
|  | <hr/>           |          |                               |
|  | 8,000.00        |          |                               |
| Expenditures . . . . .   |                 |          | 7,575.60                      |
| Excess . . . . .   |                 |          | 424.40                        |
| Public Grounds:—   |                 |          |                               |
| Appropriation . . . . .  | \$6,000.00      |          |                               |
| Transferred from In-<br>terest account . . . . .                 | 400.00          |          |                               |
|  | <hr/>           |          |                               |
|  | 6,400.00        |          |                               |
| Labor on Lincoln Park and care<br>of Parkway . . . . .           |                 | 1,317.76 |                               |
| Expenditures . . . . .   |                 |          | 7,688.79                      |
| Excess . . . . .   |                 |          | 28.97                         |
| Public Grounds, Lincoln Park:—                                   |                 |          |                               |
| Appropriation, Funded Debt ac-<br>count . . . . .                | 5,000.00        |          |                               |
| Expenditures . . . . .   |                 |          | 4,987.87                      |
| Excess . . . . .   |                 |          | 12.13                         |
| Public Grounds, Prospect Hill Park:—                             |                 |          |                               |
| Appropriation, Fund-<br>ed Debt account . . . . .                | \$20,000.00     |          |                               |
| Transferred from Ar-<br>mory account . . . . .                   | 356.21          |          |                               |
|  | <hr/>           |          |                               |
|  | 20,356.21       |          |                               |
| Expenditures . . . . .   |                 |          | 20,356.21                     |

# REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 87

| Accounts.  | Appropriations. | Credits.   | Expenditures<br>and Balances. |
|--|-----------------|------------|-------------------------------|
| Public Library : —   |                 |            |                               |
| Appropriation . . . . .  | \$7,500.00      |            |                               |
| Dog licenses, fines, etc. . . . .  |                 | \$2,790.24 |                               |
| Expenditures, including balance<br>of \$139.01 deficiency in 1897 .        |                 |            | \$10,282.84                   |
| Balance to 1899 . . . . .  |                 |            | 7.40                          |
| Reduction of Funded Debt : —   |                 |            |                               |
| Balance from 1897 . . . . .  |                 | 6,823.36   |                               |
| Appropriation . \$155,200.00   |                 |            |                               |
| Transferred to School<br>Teachers' Salaries<br>account . . . . . 12,946.83 |                 |            |                               |
|  | 142,253.17      |            |                               |
| Water Works Income, trans-<br>ferred . . . . .                             |                 | 22,000.00  |                               |
| Premium on bonds, etc. . . . .   |                 | 10,023.10  |                               |
| Expenditures . . . . .   |                 |            | 172,000.00                    |
| Balance to 1899 . . . . .  |                 |            | 9,099.63                      |
| Relief and Burial of Indigent Soldiers<br>and Sailors : —                  |                 |            |                               |
| Appropriation . \$9,000.00   |                 |            |                               |
| Transferred from In-<br>terest account . . . . . 2,000.00                  |                 |            |                               |
|  | 11,000.00       |            |                               |
| State of Massachu-<br>setts, burials . . . . .                             |                 | 455.00     |                               |
| Expenditures . . . . .   |                 |            | 11,358.93                     |
| Excess . . . . .   |                 |            | 96.07                         |
| Salaries : —   |                 |            |                               |
| Appropriation . . . . .  | 8,000.00        |            |                               |
| Bank and Corporation taxes .   |                 | 27,463.89  |                               |
| Expenditures . . . . .   |                 |            | 32,158.00                     |
| Excess . . . . .   |                 |            | 3,305.89                      |
| School Contingent : —  |                 |            |                               |
| Appropriation . . . . .  | 18,000.00       |            |                               |
| Tuition, etc. . . . .  |                 | 294.25     |                               |
| Expenditures . . . . .   |                 |            | 19,685.59                     |
| Deficiency . . . . .   |                 |            | 1,391.34                      |

| Accounts.   |                    | Appropriations. | Credits.  | Expenditures<br>and Balances. |
|---|--------------------|-----------------|-----------|-------------------------------|
| School Contingent, Janitors' Sal-<br>aries:—        |                    |                 |           |                               |
| Appropriations                                      | . . . .            | \$17,000.00     |           |                               |
| Expenditures  | . . . .            |                 |           | \$17,372.58                   |
| Deficiency  | . . . .            |                 |           | 372.58                        |
| School Fuel:—                                       |                    |                 |           |                               |
| Appropriation                                       | . . . .            | 10,000.00       |           |                               |
| Expenditures  | . . . .            |                 |           | 9,765.58                      |
| Excess  | . . . .            |                 |           | 234.42                        |
| Schoolhouse, Burns Addition:—                       |                    |                 |           |                               |
| Appropriation, Funded Debt ac-<br>count             | . . . .            | 12,000.00       |           |                               |
| Balance to 1899                                     | . . . .            |                 |           | 12,000.00                     |
| Schoolhouse, English High:—                         |                    |                 |           |                               |
| Appropriation, Funded Debt ac-<br>count             | . . . .            | 1,000.00        |           |                               |
| Furniture and gas fixtures                          | .                  |                 | \$114.30  |                               |
| Expenditures  | . . . .            |                 |           | 1,114.30                      |
| Schoolhouse Incidentals:—                           |                    |                 |           |                               |
| Appropriation                                       | . . . .            | 17,000.00       |           |                               |
| Insurance, old materials, etc.                      | .                  |                 | 313.31    |                               |
| Expenditures  | . . . .            |                 |           | 16,955.60                     |
| Excess  | . . . .            |                 |           | 357.71                        |
| Schoolhouse, Prescott, Heating and<br>Ventilating:— |                    |                 |           |                               |
| Appropriation, Funded Debt ac-<br>count             | . . . .            | 6,000.00        |           |                               |
| Expenditures  | . . . .            |                 |           | 3,516.23                      |
| Balance to 1899                                     | . . . .            |                 |           | 2,483.77                      |
| Schoolhouse, Spring Hill District:—                 |                    |                 |           |                               |
| Appropriation, Funded Debt ac-<br>count             | . . . . \$6,000.00 |                 |           |                               |
| Transferred from Ar-<br>mory account                | . . . . 521.03     |                 |           |                               |
|   |                    | 6,521.03        |           |                               |
| Balance from 1897                                   | . . . .            |                 | 32,920.57 |                               |
| Transferred from Sewers, Con-<br>struction account  | . . . .            |                 | 600.00    |                               |
| Expenditures  | . . . .            |                 |           | 40,041.60                     |

# REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 89

| Accounts.   | Appropriations. | Credits.  | Expenditures<br>and Balances. |
|---|-----------------|-----------|-------------------------------|
| Schoolhouse, land in Ward Two : —                                   |                 |           |                               |
| Balance from 1897 . . . .   |                 | \$94.75   |                               |
| Expenditures . . . .  |                 |           | \$94.00                       |
| Excess . . . .  |                 |           | .75                           |
| Schoolhouse, Ward Two : —   |                 |           |                               |
| Appropriation, Funded Debt account . . . \$34,000.00                |                 |           |                               |
| Transferred from Army account . . 4,000.00                          |                 |           |                               |
|   | \$38,000.00     |           |                               |
| Old buildings . . . .   |                 | 70.00     |                               |
| Expenditures . . . .  |                 |           | 9,848.53                      |
| Balance to 1899 . . . .   |                 |           | 28,221.47                     |
| School Teachers' Salaries : —                                       |                 |           |                               |
| Appropriations . . \$190,000.00                                     |                 |           |                               |
| Transferred from Reduction of Funded Debt account . . 12,946.83     |                 |           |                               |
|   | 202,946.83      |           |                               |
| Expenditures . . . .  |                 |           | 202,946.83                    |
| Sewers, Construction : —  |                 |           |                               |
| Appropriation, Funded Debt account . . . . . 25,000.00              |                 |           |                               |
| Balance from 1897 \$19,274.35                                       |                 |           |                               |
| Transferred to schoolhouse, Spring Hill District account . . 600.00 |                 |           |                               |
|   |                 | 18,674.35 |                               |
| Water Works Income account . . . .                                  |                 | 67,280.96 |                               |
| Permits, etc. . . . .   |                 | 107.36    |                               |
| Expenditures, less assessments, \$11,107.04 . . . .                 |                 |           | 94,180.44                     |
| Balance to 1899 . . . .   |                 |           | 16,882.23                     |
| Sewers, Maintenance : —   |                 |           |                               |
| Appropriation . . . \$7,000.00                                      |                 |           |                               |
| Transferred from Interest account . . 300.00                        |                 |           |                               |
|   | 7,300.00        |           |                               |
| Labor, materials, etc. . . .  |                 | 345.71    |                               |
| Expenditures . . . .  |                 |           | 7,755.06                      |
| Deficiency . . . .  |                 |           | 109.35                        |



| Accounts.  | Appropriations. | Credits.  | Expenditures<br>and Balances. |
|--|-----------------|-----------|-------------------------------|
| Sidewalks :—   |                 |           |                               |
| Appropriation, tax<br>levy . . . . .                           | \$10,000.00     |           |                               |
| Appropriation, Fund-<br>ed Debt account . . . . .              | 5,000.00        |           |                               |
| Transferred from<br>Highways account . . . . .                 | 167.41          |           |                               |
|  | <hr/>           |           |                               |
|  | \$15,167.41     |           |                               |
| Edgestones, bricks, etc. . . . .                               |                 | \$260.49  |                               |
| Expenditures, less assessments,<br>\$14,848.14 . . . . .       |                 |           | \$15,427.90                   |
| Street Lights :—   |                 |           |                               |
| Appropriation . . . . .  | 45,000.00       |           |                               |
| Expenditures . . . . .   |                 |           | 43,897.56                     |
| Excess . . . . .   |                 |           | 1,102.44                      |
| County of Middlesex :—   |                 |           |                               |
| Appropriation . . . . .  | 44,894.56       |           |                               |
| Expended, County Tax . . . . .                                 |                 |           | 44,894.56                     |
| State of Massachusetts, State<br>Tax :—                        |                 |           |                               |
| Appropriation . . . . .  | 27,075.00       |           |                               |
| Expended, State Tax . . . . .                                  |                 |           | 27,075.00                     |
| State of Massachusetts, Metropoli-<br>tan Sewer Assessment :—  |                 |           |                               |
| Appropriation . . . . .  | 31,566.31       |           |                               |
| Expended, Metropolitan Sewer<br>assessment . . . . .           |                 |           | 31,566.31                     |
| State of Massachusetts, Non-Resi-<br>dent Bank Stock :—        |                 |           |                               |
| Appropriation . . . . .  | 1,043.12        |           |                               |
| Expended, tax on non-resident<br>bank stock . . . . .          |                 |           | 1,043.12                      |
| State of Massachusetts, Metropoli-<br>tan Water Assessments :— |                 |           |                               |
| Water Works Income . . . . .                                   |                 | 14,250.19 |                               |
| Expended, Metropolitan Water<br>assessment . . . . .           |                 |           | 14,250.19                     |

# REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 91

| Accounts.   | Appropriations. | Credits.   | Expenditures<br>and Balances. |
|---|-----------------|------------|-------------------------------|
| Support of Poor : —   |                 |            |                               |
| Appropriation . . . . .   | \$20,000.00     |            |                               |
| Transferred from In-<br>terest account . . . . .                | 3,000.00        |            |                               |
|   | <hr/>           |            |                               |
|   | \$23,000.00     |            |                               |
| Aid furnished . . . . .   |                 | \$6,552.98 |                               |
| Expenditures . . . . .  |                 |            | \$28,522.21                   |
| Excess . . . . .  |                 |            | 1,030.77                      |
| Support of Poor, Almshouse : —                                  |                 |            |                               |
| Appropriation, Funded Debt ac-<br>count . . . . .               | 20,000.00       |            |                               |
| Balance to 1899 . . . . .                                       |                 |            | 20,000.00                     |
| Water Maintenance : —   |                 |            |                               |
| Appropriation from<br>Water Works In-<br>come of 1898 . . . . . | \$60,000.00     |            |                               |
| Water Works In-<br>come of 1897 . . . . .                       | 5,278.88        |            |                               |
| Water Services . . . . .  | 383.95          |            |                               |
|   | <hr/>           |            |                               |
|   | \$65,662.83     |            |                               |
| Transferred to Water<br>Wks. Ext. acct. . . . .                 | 7,000.00        |            |                               |
|   | <hr/>           |            |                               |
|   |                 | 58,662.83  |                               |
| Labor, materials, etc. . . . .                                  |                 | 3,280.18   |                               |
| Expenditures . . . . .  |                 |            | 61,901.05                     |
| Excess . . . . .  |                 |            | 41.96                         |
| Water Loan Interest : —   |                 |            |                               |
| Appropriation from Water<br>Works Income account . . . . .      |                 | 11,925.00  |                               |
| Expenditures . . . . .  |                 |            | 11,925.00                     |
| Watering Streets : —  |                 |            |                               |
| Appropriations . . . . .  | \$ 3,500.00     |            |                               |
| Assessed to abutters . . . . .                                  | 13,384.48       |            |                               |
|   | <hr/>           |            |                               |
|   | 16,884.48       |            |                               |
| Received of abutters . . . . .                                  |                 | 345.88     |                               |
| Expenditures . . . . .  |                 |            | 17,015.98                     |
| Excess . . . . .  |                 |            | 214.38                        |

| Accounts.   | Appropriations.    | Credits. | Expenditures<br>and Balances. |
|---|--------------------|----------|-------------------------------|
| Water Works Extension : —                                       |                    |          |                               |
| Appropriation from<br>Water Works In-<br>come account . . . . . | \$20,000.00        |          |                               |
| Transferred from<br>Water Maintenance<br>account . . . . .      | 7,000.00           |          |                               |
|   | <u>\$27,000.00</u> |          |                               |
| Expenditures . . . . .  |                    |          | \$26,970.22                   |
| Excess . . . . .  |                    |          | 29.78                         |

## Water Works Income : —

|  |                             |                             |                             |
|--|-----------------------------|-----------------------------|-----------------------------|
| Income of the Water<br>Works . . . . . | \$195,456.15                |                             |                             |
| Appropriations . . . . .               | 195,456.15                  |                             |                             |
|  | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|  | \$1,130,187.11              | \$345,170.06                | \$1,475,357.17              |
|  | 345,170.06                  |                             |                             |
|  | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|  | \$1,475,357.17              |                             | \$1,475,357.17              |
|  | <u>                    </u> | <u>                    </u> | <u>                    </u> |

## RECAPITULATION.

|   |                             |  |                             |
|---|-----------------------------|--|-----------------------------|
| Appropriations as per tax levy . . . . .              | \$954,187.11                |  |                             |
| Appropriations, Funded Debt . . . . .                 | 176,000.00                  |  |                             |
| Water Works Income . . . . .                          | 200,735.03                  |  |                             |
| National Bank and Corporation<br>Taxes . . . . .      | 27,463.89                   |  |                             |
| Court Fees, Fines, etc. . . . .                       | 3,776.50                    |  |                             |
| County of Middlesex, dog licenses . . . . .           | 2,268.86                    |  |                             |
| Unexpended balances of 1897 . . . . .                 | 60,450.80                   |  |                             |
| Received from all other sources . . . . .             | 50,474.98                   |  |                             |
| Expenditures . . . . .                                |                             |  | \$1,352,087.44              |
| Excess and Deficiency, balance to<br>credit . . . . . |                             |  | 16,549.22                   |
| Unexpended balances to 1899 . . . . .                 |                             |  | 106,720.51                  |
|   | <u>\$1,475,357.17</u>       |  | <u>\$1,475,357.17</u>       |
|   | <u>                    </u> |  | <u>                    </u> |

The assets of the city available for the payment of its unfunded liabilities are as follows : —

|   |                             |
|---|-----------------------------|
| Cash . . . . .                          | \$70,376.04                 |
| Real Estate Liens . . . . .             | 1,664.60                    |
|   | <u>                    </u> |
| <i>Amount carried forward</i> . . . . . | \$72,040.64                 |

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 93

|  |             |              |
|--|-------------|--------------|
| <i>Amount brought forward</i>                                      | \$72,040.64 |              |
| Sewer Assessments  | 7,435.90    |              |
| Sidewalk Assessments   | 5,193.11    |              |
| State of Massachusetts, Burial of<br>Indigent Soldiers and Sailors | 455.00      |              |
| State of Massachusetts, Indigent<br>Soldiers and Sailors           | 257.00      |              |
| State of Massachusetts, State<br>Aid                               | 10,848.50   |              |
| Taxes  | 355,654.19  |              |
| Watering Streets Assessments                                       | 16.12       |              |
|  | <hr/>       |              |
| Total amount of assets   |             | \$451,900.46 |

The liabilities are :—

|   |              |                     |
|---|--------------|---------------------|
| Armory  | \$ 10,122.76 |                     |
| Fire Department, Fire Station,<br>Clarendon Hill  | 7,650.00     |                     |
| Highways, Paving Webster<br>Avenue                | 253.25       |                     |
| Overplus on Tax Sales                             | 157.13       |                     |
| Public Library                                    | 7.40         |                     |
| Public Library, Isaac Pitman<br>Fund              | 1,000.00     |                     |
| Reduction of Funded Debt                          | 9,099.63     |                     |
| Schoolhouse, Burns, Addition                      | 12,000.00    |                     |
| Schoolhouse, Ward Two                             | 28,221.47    |                     |
| Schoolhouse, Prescott, Heating<br>and Ventilating | 2,483.77     |                     |
| Sewers, Construction                              | 16,882.23    |                     |
| Sundry Persons                                    | 27,473.60    |                     |
| Support of Poor, Almshouse                        | 20,000.00    |                     |
| Temporary Loans                                   | 300,000.00   |                     |
|   | <hr/>        |                     |
| Total amount of liabilities                       |              | \$435,351.24        |
| Excess of available assets over<br>liabilities    |              | 16,549.22           |
|   |              | <hr/>               |
|   |              | <u>\$451,900.46</u> |



|  |                     |
|--|---------------------|
| Total cash receipts for the<br>year, including a balance<br>of \$90,433.87 from the<br>year 1897 . . . . . | \$2,399,107.23      |
| Total cash disbursements . . . . .   | <u>2,328,731.19</u> |

|   |             |
|---|-------------|
| Leaving in the treasury the<br>sum of . . . . . | \$70,376.04 |
|---|-------------|

A detailed statement of the public property, funded debt, and the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,

JOHN F. COLE,

Treasurer and Collector of Taxes.

# APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

**TABLE A.**

PUBLIC PROPERTY DECEMBER 31, 1897.

|  |             |                    |
|--|-------------|--------------------|
| Central Hill land (13 acres,<br>5,032 feet) . . . . .                    |             | \$200,000.00       |
| City Hall . . . . .  | \$40,662.73 |                    |
| Furniture . . . . .  | 10,000.00   |                    |
|  |             | <hr/> 50,662.73    |
| Public Library building . . . . .  | 30,967.58   |                    |
| Public Library . . . . .   | 25,000.00   |                    |
|  |             | <hr/> 55,967.58    |
| City Hall Annex . . . . .  |             | 21,587.43          |
| Latin High Schoolhouse . . . . .   | 52,000.00   |                    |
| Furniture . . . . .  | 3,500.00    |                    |
| Philosophical apparatus . . . . .  | 500.00      |                    |
|  |             | <hr/> 56,000.00    |
| English High Schoolhouse . . . . .                                       | 129,579.39  |                    |
| Furniture . . . . .  | 5,000.00    |                    |
| Philosophical and manual train-<br>ing apparatus . . . . .               | 7,000.00    |                    |
|  |             | <hr/> 141,579.39   |
| Prescott Schoolhouse, land<br>(21,444 feet) and building . . . . .       | 45,000.00   |                    |
| Furniture . . . . .  | 2,000.00    |                    |
|  |             | <hr/> 47,000.00    |
| Luther V. Bell Schoolhouse, land<br>(23,396 feet) and building . . . . . | 45,000.00   |                    |
| Furniture . . . . .  | 2,000.00    |                    |
|  |             | <hr/> 47,000.00    |
| <i>Amount carried forward</i> . . . . .                                  |             | <hr/> \$619,797.13 |

|  |             |                 |
|--|-------------|-----------------|
| <i>Amount brought forward</i>                                    |             | \$619,797.13    |
| Forster Schoolhouse, land (27,499 feet) and building             | \$45,000.00 |                 |
| Furniture  | 2,000.00    |                 |
|  |             | <hr/> 47,000.00 |
| Morse Schoolhouse, land (29,109 feet) and building               | 45,000.00   |                 |
| Furniture  | 2,000.00    |                 |
|  |             | <hr/> 47,000.00 |
| Edgerly Schoolhouse, land (26,428 feet) and building             | 45,000.00   |                 |
| Furniture  | 2,000.00    |                 |
|  |             | <hr/> 47,000.00 |
| Highland Schoolhouse, land (23,260 feet) and building            | 46,837.19   |                 |
| Furniture  | 2,000.00    |                 |
|  |             | <hr/> 48,837.19 |
| Charles G. Pope Schoolhouse, land (27,236 feet) and building     | 60,000.00   |                 |
| Furniture  | 2,000.00    |                 |
|  |             | <hr/> 62,000.00 |
| William H. Hodgkins Schoolhouse, land (35,034 feet) and building | 58,289.34   |                 |
| Furniture  | 2,500.00    |                 |
|  |             | <hr/> 60,789.34 |
| Martin W. Carr Schoolhouse, land (14,850 feet) and building      | 63,921.03   |                 |
| Furniture  | 3,000.00    |                 |
|  |             | <hr/> 66,921.03 |
| Jacob T. Glines Schoolhouse, land (28,800 feet) and building     | 71,560.71   |                 |
| Furniture  | 2,100.00    |                 |
|  |             | <hr/> 73,660.71 |
| <i>Amount carried forward</i>                                    |             | \$1,073,005.40  |

|   |             |                |           |
|---|-------------|----------------|-----------|
| <i>Amount brought forward</i> .   |             | \$1,073,005.40 |           |
| O. S. Knapp Schoolhouse, land<br>(24,517 feet) and building .                   | \$48,256.67 |                |           |
| Furniture . . . . .   | 2,000.00    |                |           |
|   | <hr/>       |                | 50,256.67 |
| Bingham Schoolhouse, land<br>(21,017 feet) and building .                       | 36,506.87   |                |           |
| Furniture . . . . .   | 1,400.00    |                |           |
|   | <hr/>       |                | 37,906.87 |
| Sanford Hanscom Schoolhouse,<br>land (12,756 feet) and build-<br>ing . . . . .  | 43,632.19   |                |           |
| Furniture . . . . .   | 900.00      |                |           |
|   | <hr/>       |                | 44,532.19 |
| Davis Schoolhouse, land (38,152<br>feet) and building . . . .                   | 25,000.00   |                |           |
| Furniture . . . . .   | 700.00      |                |           |
|   | <hr/>       |                | 25,700.00 |
| George W. Durell Schoolhouse,<br>land (13,883 feet) and build-<br>ing . . . . . | 16,179.10   |                |           |
| Furniture . . . . .   | 700.00      |                |           |
|   | <hr/>       |                | 16,879.10 |
| Cummings Schoolhouse, land<br>(11,300 feet) and building .                      | 15,000.00   |                |           |
| Furniture . . . . .   | 700.00      |                |           |
|   | <hr/>       |                | 15,700.00 |
| Prospect Hill Schoolhouse, land<br>(25,315 feet) and building .                 | 20,000.00   |                |           |
| Furniture . . . . .   | 1,000.00    |                |           |
|   | <hr/>       |                | 21,000.00 |
| Lincoln Schoolhouse, land<br>(17,662 feet) and building .                       | 14,000.00   |                |           |
| Furniture . . . . .   | 700.00      |                |           |
|   | <hr/>       |                | 14,700.00 |
|   |             | <hr/>          |           |
| <i>Amount carried forward</i> .   |             | \$1,299,680.23 |           |



|  |             |                |
|--|-------------|----------------|
| <i>Amount brought forward</i> .  |             | \$1,299,680.23 |
| Jackson Schoolhouse, land (11,212 feet) and building . . .                           | \$ 8,000.00 |                |
| Furniture . . . . .  | 600.00      |                |
|  | <hr/>       | 8,600.00       |
| Bennett Schoolhouse, land 20,560 feet) and building . . .                            | 10,000.00   |                |
| Furniture . . . . .  | 600.00      |                |
|  | <hr/>       | 10,600.00      |
| Harvard Schoolhouse, land (9,810 feet) and building . . .                            | 3,500.00    |                |
| Furniture . . . . .  | 100.00      |                |
|  | <hr/>       | 3,600.00       |
| Franklin Schoolhouse, land (33,017 feet) and building . . .                          | 15,000.00   |                |
| Furniture . . . . .  | 600.00      |                |
|  | <hr/>       | 15,600.00      |
| Spring Hill Schoolhouse, land (4,991 feet) and building . . .                        | 1,500.00    |                |
| Furniture . . . . .  | 100.00      |                |
|  | <hr/>       | 1,600.00       |
| Burns Schoolhouse, land 16,080 feet) and building . . .                              | 15,000.00   |                |
| Furniture . . . . .  | 700.00      |                |
|  | <hr/>       | 15,700.00      |
| Schoolhouse Ward Two, Washington street, land (46,080 feet) and building, unfinished |             | 9,872.53       |
| City Farm, land (10 acres, 12,523 feet) . . . . .                                    |             | 40,000.00      |
| Cedar Street Schoolhouse . . .   | 700.00      |                |
| Furniture . . . . .  | 100.00      |                |
|  | <hr/>       | 800.00         |
| City stables and dwelling houses .   |             | 28,322.00      |
| Equipments for highway repairs .   |             | 21,690.00      |
| Watering carts and sheds . . .   |             | 5,000.00       |
|  |             | <hr/>          |
| <i>Amount carried forward</i> .  |             | \$1,461,064.76 |

|   |             |                      |
|---|-------------|----------------------|
| <i>Amount brought forward</i>                       |             | \$1,461,064.76       |
| No. 1 Fire Station, land (8,279 feet) and building  | \$27,052.93 |                      |
| Engine No. 2 and apparatus                          | 4,000.00    |                      |
| Hose wagon No. 1 and apparatus                      | 1,500.00    |                      |
| Furniture   | 400.00      |                      |
|   | <hr/>       | 32,952.93            |
| No. 2 Fire Station, land (5,400 feet) and building  | 8,000.00    |                      |
| Furniture   | 400.00      |                      |
| Hose wagon No. 2 and apparatus                      | 1,500.00    |                      |
|   | <hr/>       | 9,900.00             |
| No. 3 Fire Station, land (5,226 feet) and building  | 9,000.00    |                      |
| Furniture   | 400.00      |                      |
| Hose wagon No. 3 and apparatus                      | 1,500.00    |                      |
| Hook and ladder truck and apparatus                 | 3,400.00    |                      |
|   | <hr/>       | 14,300.00            |
| No. 4 Fire Station, land (9,100 feet) and building  | 19,054.42   |                      |
| Furniture   | 400.00      |                      |
| Engine No. 4 and apparatus                          | 4,000.00    |                      |
| Combination wagon and apparatus                     | 2,500.00    |                      |
|   | <hr/>       | 25,954.42            |
| No. 5 Fire Station, land (39,456 feet) and building | 16,000.00   |                      |
| Furniture   | 400.00      |                      |
| Hose wagon No. 5 and apparatus                      | 1,500.00    |                      |
|   | <hr/>       | 17,900.00            |
| <i>Amount carried forward</i>                       |             | <hr/> \$1,562,072.11 |

|  |             |                 |
|--|-------------|-----------------|
| <i>Amount brought forward</i>  |             | \$1,562.072.11  |
| Hook and Ladder Station No. 2,<br>land (9,902.7 square feet)<br>and building, equipment and<br>furniture |             | 14,753.71       |
| Central Fire Station, land (10,019<br>feet) and building   | \$43,603.89 |                 |
| Furniture  | 500.00      |                 |
| Engine No. 1 and apparatus   | 4,000.00    |                 |
| Hose wagon and apparatus   | 2,000.00    |                 |
| Two relief hose carriages  | 1,000.00    |                 |
| One relief hook and ladder   | 400.00      |                 |
| Chemical Engine A and equip-<br>ment   | 2,498.53    |                 |
|  |             | <hr/> 54,002.42 |
| Fire Alarm and Police Signal<br>apparatus  |             | 36,100.00       |
| Police Station, land (15,232 feet)<br>and building   | 45,000.00   |                 |
| Furniture  | 3,000.00    |                 |
|  |             | <hr/> 48,000.00 |
| Prospect street, land (7,918 feet) and building  |             | 7,000.00        |
| Broadway Park (cost \$212,993.20)  |             | 125,000.00      |
| Joy street, land (2,960 feet)  |             | 500.00          |
| Walnut Hill, land (10,980 feet)  |             | 1,000.00        |
| Elm street, land (18,000 feet)   |             | 6,000.00        |
| Webster avenue, land (11,050 feet)   |             | 4,241.50        |
| Holland street, land (5 acres, 6,806 feet)   |             | 20,000.00       |
| Gravel land in Waltham (about 35 acres)  |             | 15,000.00       |
| Gravel land in Wakefield (about 1 1-3 acres)   |             | 5,000.00        |
| Gravel land rear North street (about 5 43-100<br>acres)  |             | 4,000.00        |
| Nathan Tufts Park (about 4 54-100 acres)   |             | 47,649.28       |
| Somerville Water Works, cost   |             | 721,578.98      |
| Oliver street, land (63,069 feet)  |             | 7,500.00        |
| Whipple street, land (15,240 feet)   |             | 800.00          |
|  |             | <hr/>           |
| <i>Amount carried forward</i>  |             | \$2,680,198.00  |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 101

|  |                |
|--|----------------|
| <i>Amount brought forward</i> . . . . .  | \$2,680,198.00 |
| Lincoln Park, Washington street (359,604.77 feet) . . . . .                          | 42,000.14      |
| Fire Station, Clarendon Hill, land (8,113.1 feet) and building, unfinished . . . . . | 9,814.20       |
| Prospect Hill, Park (56,700 feet) . . . . .  | 20,356.21      |
|  | <hr/>          |
| Total amount of public property . . . . .  | \$2,752,368.55 |



TABLE B.  
FUNDED DEBT DECEMBER 31, 1898.  
CITY LOAN BONDS.

| DATE.                                   | Number of Bonds. | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.   |
|---|------------------|-----------------------------|--------------|---------------|-----------|
| July 1, 1894                            | 1,620 to 1,628   | 4                           | July 1, 1899 | \$1,000       | \$ 9,000  |
| July 1, 1895                            | 1,791 to 1,809   | 4                           | July 1, 1899 | 1,000         | 19,000    |
| July 1, 1896                            | 2,078 to 2,087   | 4                           | July 1, 1899 | 1,000         | 10,000    |
| July 1, 1897                            | 2,234 to 2,244   | 4                           | July 1, 1899 | 1,000         | 11,000    |
| July 1, 1898                            | 2,365 to 2,375   | 4                           | July 1, 1899 | 1,000         | 11,000    |
| October 1, 1889                         | 994 to 1,002     | 4                           | Oct. 1, 1899 | 1,000         | 9,000     |
| October 1, 1890                         | 1,083 to 1,092   | 4                           | Oct. 1, 1899 | 1,000         | 10,000    |
| October 1, 1890                         | 1,135 to 1,138   | 4                           | Oct. 1, 1899 | 1,000         | 4,000     |
| October 1, 1891                         | 1,196 to 1,202   | 4                           | Oct. 1, 1899 | 1,000         | 7,000     |
| October 1, 1893                         | 1,445 to 1,468   | 4½                          | Oct. 1, 1899 | 1,000         | 24,000    |
| January 1, 1892                         | 1,294 to 1,303   | 4                           | Jan. 1, 1900 | 1,000         | 10,000    |
| July 1, 1894                            | 1,629 to 1,637   | 4                           | July 1, 1900 | 1,000         | 9,000     |
| July 1, 1895                            | 1,810 to 1,827   | 4                           | July 1, 1900 | 1,000         | 18,000    |
| July 1, 1896                            | 2,088 to 2,097   | 4                           | July 1, 1900 | 1,000         | 10,000    |
| July 1, 1897                            | 2,245 to 2,255   | 4                           | July 1, 1900 | 1,000         | 11,000    |
| July 1, 1898                            | 2,376 to 2,386   | 4                           | July 1, 1900 | 1,000         | 11,000    |
| October 1, 1890                         | 1,093 to 1,102   | 4                           | Oct. 1, 1900 | 1,000         | 10,000    |
| October 1, 1890                         | 1,139 to 1,142   | 4                           | Oct. 1, 1900 | 1,000         | 4,000     |
| October 1, 1891                         | 1,203 to 1,208   | 4                           | Oct. 1, 1900 | 1,000         | 6,000     |
| October 1, 1893                         | 1,469 to 1,492   | 4½                          | Oct. 1, 1900 | 1,000         | 24,000    |
| January 1, 1892                         | 1,304 to 1,313   | 4                           | Jan. 1, 1901 | 1,000         | 10,000    |
| July 1, 1894                            | 1,638 to 1,646   | 4                           | July 1, 1901 | 1,000         | 9,000     |
| July 1, 1895                            | 1,828 to 1,845   | 4                           | July 1, 1901 | 1,000         | 18,000    |
| July 1, 1896                            | 2,098 to 2,106   | 4                           | July 1, 1901 | 1,000         | 9,000     |
| July 1, 1897                            | 2,256 to 2,266   | 4                           | July 1, 1901 | 1,000         | 11,000    |
| July 1, 1898                            | 2,387 to 2,396   | 4                           | July 1, 1901 | 1,000         | 10,000    |
| October 1, 1890                         | 1,143 to 1,146   | 4                           | Oct. 1, 1901 | 1,000         | 4,000     |
| <i>Amount carried forward . . . . .</i> |                  |                             |              |               | \$298,000 |

TABLE B.—CITY LOAN BONDS.—*Continued.*

| DATE.           | Number of Bonds.                        | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.   |
|-----------------|---|-----------------------------|--------------|---------------|-----------|
|                 | <i>Amount brought forward . . . . .</i> |                             |              |               | \$298,000 |
| October 1, 1891 | 1,209 to 1,211                          | 4                           | Oct. 1, 1901 | \$1,000       | 3,000     |
| October 1, 1893 | 1,493 to 1,516                          | 4½                          | Oct. 1, 1901 | 1,000         | 24,000    |
| January 1, 1892 | 1,314 to 1,323                          | 4                           | Jan. 1, 1902 | 1,000         | 10,000    |
| July 1, 1894    | 1,647 to 1,655                          | 4                           | July 1, 1902 | 1,000         | 9,000     |
| July 1, 1895    | 1,846 to 1,863                          | 4                           | July 1, 1902 | 1,000         | 18,000    |
| July 1, 1896    | 2,107 to 2,115                          | 4                           | July 1, 1902 | 1,000         | 9,000     |
| July 1, 1897    | 2,267 to 2,275                          | 4                           | July 1, 1902 | 1,000         | 9,000     |
| July 1, 1898    | 2,397 to 2,406                          | 4                           | July 1, 1902 | 1,000         | 10,000    |
| October 1, 1891 | 1,212 to 1,214                          | 4                           | Oct. 1, 1902 | 1,000         | 3,000     |
| October 1, 1893 | 1,517 to 1,546                          | 4½                          | Oct. 1, 1902 | 1,000         | 30,000    |
| July 1, 1894    | 1,656 to 1,664                          | 4                           | July 1, 1903 | 1,000         | 9,000     |
| July 1, 1895    | 1,864 to 1,881                          | 4                           | July 1, 1903 | 1,000         | 18,000    |
| July 1, 1896    | 2,116 to 2,123                          | 4                           | July 1, 1903 | 1,000         | 8,000     |
| July 1, 1897    | 2,276 to 2,284                          | 4                           | July 1, 1903 | 1,000         | 9,000     |
| July 1, 1898    | 2,407 to 2,416                          | 4                           | July 1, 1903 | 1,000         | 10,000    |
| October 1, 1891 | 1,215 to 1,217                          | 4                           | Oct. 1, 1903 | 1,000         | 3,000     |
| October 1, 1893 | 1,547 to 1,581                          | 4½                          | Oct. 1, 1903 | 1,000         | 35,000    |
| July 1, 1894    | 1,655 to 1,673                          | 4                           | July 1, 1904 | 1,000         | 9,000     |
| July 1, 1895    | 1,882 to 1,899                          | 4                           | July 1, 1904 | 1,000         | 18,000    |
| July 1, 1896    | 2,124 to 2,131                          | 4                           | July 1, 1904 | 1,000         | 8,000     |
| July 1, 1897    | 2,285 to 2,293                          | 4                           | July 1, 1904 | 1,000         | 9,000     |
| July 1, 1898    | 2,417 to 2,426                          | 4                           | July 1, 1904 | 1,000         | 10,000    |
| October 1, 1891 | 1,218 to 1,220                          | 4                           | Oct. 1, 1904 | 1,000         | 3,000     |
| July 1, 1894    | 1,674 to 1,679                          | 4                           | July 1, 1905 | 1,000         | 6,000     |
| July 1, 1895    | 1,900 to 1,917                          | 4                           | July 1, 1905 | 1,000         | 18,000    |
| July 1, 1896    | 2,132 to 2,139                          | 4                           | July 1, 1905 | 1,000         | 8,000     |
| July 1, 1897    | 2,294 to 2,302                          | 4                           | July 1, 1905 | 1,000         | 9,000     |
| July 1, 1898    | 2,427 to 2,436                          | 4                           | July 1, 1905 | 1,000         | 10,000    |
|                 | <i>Amount carried forward . . . . .</i> |                             |              |               | \$623,000 |

TABLE B. — CITY LOAN BONDS. — *Continued.*

| DATE.           | Number of Bonds.                        | Rate per<br>cent. of<br>Interest. | When Due.    | Denomi-<br>nation. | Amount.   |
|-----------------|---|-----------------------------------|--------------|--------------------|-----------|
|                 | <i>Amount brought forward . . . . .</i> |                                   |              |                    | \$623,000 |
| October 1, 1891 | 1,221 to 1,223                          | 4                                 | Oct. 1, 1905 | \$1,000            | 3,000     |
| July 1, 1894    | 1,680 to 1,685                          | 4                                 | July 1, 1906 | 1,000              | 6,000     |
| July 1, 1895    | 1,918 to 1,932                          | 4                                 | July 1, 1906 | 1,000              | 15,000    |
| July 1, 1896    | 2,140 to 2,147                          | 4                                 | July 1, 1906 | 1,000              | 8,000     |
| July 1, 1897    | 2,303 to 2,311                          | 4                                 | July 1, 1906 | 1,000              | 9,000     |
| July 1, 1898    | 2,437 to 2,446                          | 4                                 | July 1, 1906 | 1,000              | 10,000    |
| July 1, 1894    | 1,686 to 1,691                          | 4                                 | July 1, 1907 | 1,000              | 6,000     |
| July 1, 1895    | 1,933 to 1,947                          | 4                                 | July 1, 1907 | 1,000              | 15,000    |
| July 1, 1896    | 2,148 to 2,155                          | 4                                 | July 1, 1907 | 1,000              | 8,000     |
| July 1, 1897    | 2,312 to 2,320                          | 4                                 | July 1, 1907 | 1,000              | 9,000     |
| July 1, 1898    | 2,447 to 2,456                          | 4                                 | July 1, 1907 | 1,000              | 10,000    |
| July 1, 1894    | 1,692 to 1,697                          | 4                                 | July 1, 1908 | 1,000              | 6,000     |
| July 1, 1895    | 1,948 to 1,962                          | 4                                 | July 1, 1908 | 1,000              | 15,000    |
| July 1, 1896    | 2,156 to 2,163                          | 4                                 | July 1, 1908 | 1,000              | 8,000     |
| July 1, 1897    | 2,321 to 2,325                          | 4                                 | July 1, 1908 | 1,000              | 5,000     |
| July 1, 1898    | 2,457 to 2,465                          | 4                                 | July 1, 1908 | 1,000              | 9,000     |
| July 1, 1894    | 1,698 to 1,703                          | 4                                 | July 1, 1909 | 1,000              | 6,000     |
| July 1, 1895    | 1,963 to 1,976                          | 4                                 | July 1, 1909 | 1,000              | 14,000    |
| July 1, 1896    | 2,164 to 2,171                          | 4                                 | July 1, 1909 | 1,000              | 8,000     |
| July 1, 1897    | 2,326 to 2,330                          | 4                                 | July 1, 1909 | 1,000              | 5,000     |
| July 1, 1898    | 2,466 to 2,470                          | 4                                 | July 1, 1909 | 1,000              | 5,000     |
| July 1, 1894    | 1,704 to 1,709                          | 4                                 | July 1, 1910 | 1,000              | 6,000     |
| July 1, 1895    | 1,977 to 1,990                          | 4                                 | July 1, 1910 | 1,000              | 14,000    |
| July 1, 1896    | 2,172 to 2,179                          | 4                                 | July 1, 1910 | 1,000              | 8,000     |
| July 1, 1897    | 2,331 to 2,335                          | 4                                 | July 1, 1910 | 1,000              | 5,000     |
| July 1, 1898    | 2,471 to 2,475                          | 4                                 | July 1, 1910 | 1,000              | 5,000     |
| July 1, 1894    | 1,710 to 1,715                          | 4                                 | July 1, 1911 | 1,000              | 6,000     |
| July 1, 1895    | 1,991 to 2,004                          | 4                                 | July 1, 1911 | 1,000              | 14,000    |
|                 | <i>Amount carried forward . . . . .</i> |                                   |              |                    | \$861,000 |

TABLE B.—CITY LOAN BONDS.—*Concluded.*

| DATE.        | Number of Bonds.                                 | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.     |
|--------------|--|-----------------------------|--------------|---------------|-------------|
|              | <i>Amount brought forward . . . . .</i>          |                             |              |               | \$861,000   |
| July 1, 1896 | 2,180 to 2,187                                   | 4                           | July 1, 1911 | \$1,000       | 8,000       |
| July 1, 1897 | 2,336 to 2,340                                   | 4                           | July 1, 1911 | 1,000         | 5,000       |
| July 1, 1898 | 2,476 to 2,480                                   | 4                           | July 1, 1911 | 1,000         | 5,000       |
| July 1, 1894 | 1,716 to 1,721                                   | 4                           | July 1, 1912 | 1,000         | 6,000       |
| July 1, 1895 | 2,005 to 2,018                                   | 4                           | July 1, 1912 | 1,000         | 14,000      |
| July 1, 1896 | 2,188 to 2,194                                   | 4                           | July 1, 1912 | 1,000         | 7,000       |
| July 1, 1897 | 2,341 to 2,344                                   | 4                           | July 1, 1912 | 1,000         | 4,000       |
| July 1, 1898 | 2,481 to 2,485                                   | 4                           | July 1, 1912 | 1,000         | 5,000       |
| July 1, 1894 | 1,722 to 1,727                                   | 4                           | July 1, 1913 | 1,000         | 6,000       |
| July 1, 1895 | 2,019 to 2,031                                   | 4                           | July 1, 1913 | 1,000         | 13,000      |
| July 1, 1896 | 2,195 to 2,201                                   | 4                           | July 1, 1913 | 1,000         | 7,000       |
| July 1, 1897 | 2,345 to 2,348                                   | 4                           | July 1, 1913 | 1,000         | 4,000       |
| July 1, 1898 | 2,486 to 2,490                                   | 4                           | July 1, 1913 | 1,000         | 5,000       |
| July 1, 1894 | 1,728 to 1,733                                   | 4                           | July 1, 1914 | 1,000         | 6,000       |
| July 1, 1895 | 2,032 to 2,044                                   | 4                           | July 1, 1914 | 1,000         | 13,000      |
| July 1, 1896 | 2,202 to 2,208                                   | 4                           | July 1, 1914 | 1,000         | 7,000       |
| July 1, 1897 | 2,349 to 2,352                                   | 4                           | July 1, 1914 | 1,000         | 4,000       |
| July 1, 1898 | 2,491 to 2,495                                   | 4                           | July 1, 1914 | 1,000         | 5,000       |
| July 1, 1895 | 2,045 to 2,057                                   | 4                           | July 1, 1915 | 1,000         | 13,000      |
| July 1, 1896 | 2,209 to 2,215                                   | 4                           | July 1, 1915 | 1,000         | 7,000       |
| July 1, 1897 | 2,353 to 2,356                                   | 4                           | July 1, 1915 | 1,000         | 4,000       |
| July 1, 1898 | 2,496 to 2,500                                   | 4                           | July 1, 1915 | 1,000         | 5,000       |
| July 1, 1896 | 2,216 to 2,222                                   | 4                           | July 1, 1916 | 1,000         | 7,000       |
| July 1, 1897 | 2,357 to 2,360                                   | 4                           | July 1, 1916 | 1,000         | 4,000       |
| July 1, 1898 | 2,501 to 2,505                                   | 4                           | July 1, 1916 | 1,000         | 5,000       |
| July 1, 1897 | 2,361 to 2,364                                   | 4                           | July 1, 1917 | 1,000         | 4,000       |
| July 1, 1898 | 2,506 to 2,510                                   | 4                           | July 1, 1917 | 1,000         | 5,000       |
| July 1, 1898 | 2,511 to 2,515                                   | 4                           | July 1, 1918 | 1,000         | 5,000       |
|              | <i>Total amount of City Loan Bonds . . . . .</i> |                             |              |               | \$1,044,000 |



TABLE B.  
SEWER LOAN BONDS.

| DATE.                                   | Number of Bonds. | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.  |
|---|------------------|-----------------------------|--------------|---------------|----------|
| July 1, 1894                            | 58               | 4                           | July 1, 1899 | \$1,000       | \$1,000  |
| July 1, 1897                            | 175              | 4                           | July 1, 1899 | 1,000         | 1,000    |
| July 1, 1898                            | 199              | 4                           | July 1, 1899 | 1,000         | 1,000    |
| October 1, 1893                         | 41               | 4½                          | Oct. 1, 1899 | 1,000         | 1,000    |
| July 1, 1894                            | 59               | 4                           | July 1, 1900 | 1,000         | 1,000    |
| July 1, 1897                            | 176              | 4                           | July 1, 1900 | 1,000         | 1,000    |
| July 1, 1898                            | 200              | 4                           | July 1, 1900 | 1,000         | 1,000    |
| October 1, 1893                         | 42               | 4½                          | Oct. 1, 1900 | 1,000         | 1,000    |
| July 1, 1894                            | 60               | 4                           | July 1, 1901 | 1,000         | 1,000    |
| July 1, 1897                            | 177              | 4                           | July 1, 1901 | 1,000         | 1,000    |
| July 1, 1898                            | 201              | 4                           | July 1, 1901 | 1,000         | 1,000    |
| October 1, 1893                         | 43               | 4½                          | Oct. 1, 1901 | 1,000         | 1,000    |
| July 1, 1894                            | 61               | 4                           | July 1, 1902 | 1,000         | 1,000    |
| July 1, 1897                            | 178              | 4                           | July 1, 1902 | 1,000         | 1,000    |
| July 1, 1898                            | 202              | 4                           | July 1, 1902 | 1,000         | 1,000    |
| October 1, 1893                         | 44               | 4½                          | Oct. 1, 1902 | 1,000         | 1,000    |
| July 1, 1894                            | 62               | 4                           | July 1, 1903 | 1,000         | 1,000    |
| July 1, 1897                            | 179              | 4                           | July 1, 1903 | 1,000         | 1,000    |
| July 1, 1898                            | 203              | 4                           | July 1, 1903 | 1,000         | 1,000    |
| October 1, 1893                         | 45               | 4½                          | Oct. 1, 1903 | 1,000         | 1,000    |
| July 1, 1894                            | 63               | 4                           | July 1, 1904 | 1,000         | 1,000    |
| July 1, 1897                            | 180              | 4                           | July 1, 1904 | 1,000         | 1,000    |
| July 1, 1898                            | 204              | 4                           | July 1, 1904 | 1,000         | 1,000    |
| October 1, 1893                         | 46               | 4½                          | Oct. 1, 1904 | 1,000         | 1,000    |
| July 1, 1894                            | 64               | 4                           | July 1, 1905 | 1,000         | 1,000    |
| <i>Amount carried forward . . . . .</i> |                  |                             |              |               | \$25,000 |

TABLE B.—SEWER LOAN BONDS.— *Continued.*

| DATE.           | Number of Bonds.                        | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.  |
|-----------------|---|-----------------------------|--------------|---------------|----------|
|                 | <i>Amount brought forward . . . . .</i> |                             |              |               | \$25,000 |
| July 1, 1897    | 181                                     | 4                           | July 1, 1905 | \$1,000       | 1,000    |
| July 1, 1898    | 205                                     | 4                           | July 1, 1905 | 1,000         | 1,000    |
| October 1, 1893 | 47                                      | 4½                          | Oct. 1, 1905 | 1,000         | 1,000    |
| July 1, 1894    | 65                                      | 4                           | July 1, 1906 | 1,000         | 1,000    |
| July 1, 1897    | 182                                     | 4                           | July 1, 1906 | 1,000         | 1,000    |
| July 1, 1898    | 206                                     | 4                           | July 1, 1906 | 1,000         | 1,000    |
| October 1, 1893 | 48                                      | 4½                          | Oct. 1, 1906 | 1,000         | 1,000    |
| July 1, 1894    | 66                                      | 4                           | July 1, 1907 | 1,000         | 1,000    |
| July 1, 1897    | 183                                     | 4                           | July 1, 1907 | 1,000         | 1,000    |
| July 1, 1898    | 207                                     | 4                           | July 1, 1907 | 1,000         | 1,000    |
| October 1, 1893 | 49                                      | 4½                          | Oct. 1, 1907 | 1,000         | 1,000    |
| July 1, 1894    | 67                                      | 4                           | July 1, 1908 | 1,000         | 1,000    |
| July 1, 1897    | 184                                     | 4                           | July 1, 1908 | 1,000         | 1,000    |
| July 1, 1898    | 208                                     | 4                           | July 1, 1908 | 1,000         | 1,000    |
| October 1, 1893 | 50                                      | 4½                          | Oct. 1, 1908 | 1,000         | 1,000    |
| July 1, 1894    | 68                                      | 4                           | July 1, 1909 | 1,000         | 1,000    |
| July 1, 1897    | 185                                     | 4                           | July 1, 1909 | 1,000         | 1,000    |
| July 1, 1898    | 209                                     | 4                           | July 1, 1909 | 1,000         | 1,000    |
| October 1, 1893 | 51                                      | 4½                          | Oct. 1, 1909 | 1,000         | 1,000    |
| July 1, 1894    | 69                                      | 4                           | July 1, 1910 | 1,000         | 1,000    |
| July 1, 1897    | 186                                     | 4                           | July 1, 1910 | 1,000         | 1,000    |
| July 1, 1898    | 210                                     | 4                           | July 1, 1910 | 1,000         | 1,000    |
| October 1, 1893 | 52                                      | 4½                          | Oct. 1, 1910 | 1,000         | 1,000    |
| July 1, 1894    | 70                                      | 4                           | July 1, 1911 | 1,000         | 1,000    |
| July 1, 1897    | 187                                     | 4                           | July 1, 1911 | 1,000         | 1,000    |
| July 1, 1898    | 211                                     | 4                           | July 1, 1911 | 1,000         | 1,000    |
| October 1, 1893 | 53                                      | 4½                          | Oct. 1, 1911 | 1,000         | 1,000    |
|                 | <i>Amount carried forward . . . . .</i> |                             |              |               | \$52,000 |

TABLE B.—SEWER LOAN BONDS. — *Continued.*

| DATE.        | Number of Bonds.                                  | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.  |
|--------------|---|-----------------------------|--------------|---------------|----------|
|              | <i>Amount brought forward . . . . .</i>           |                             |              |               | \$52,000 |
| July 1, 1894 | 71  | 4                           | July 1, 1912 | \$1,000       | 1,000    |
| July 1, 1897 | 188   | 4                           | July 1, 1912 | 1,000         | 1,000    |
| July 1, 1898 | 212   | 4                           | July 1, 1912 | 1,000         | 1,000    |
| July 1, 1894 | 72  | 4                           | July 1, 1913 | 1,000         | 1,000    |
| July 1, 1897 | 189   | 4                           | July 1, 1913 | 1,000         | 1,000    |
| July 1, 1898 | 213   | 4                           | July 1, 1913 | 1,000         | 1,000    |
| July 1, 1894 | 73  | 4                           | July 1, 1914 | 1,000         | 1,000    |
| July 1, 1897 | 190   | 4                           | July 1, 1914 | 1,000         | 1,000    |
| July 1, 1898 | 214   | 4                           | July 1, 1914 | 1,000         | 1,000    |
| July 1, 1897 | 191   | 4                           | July 1, 1915 | 1,000         | 1,000    |
| July 1, 1898 | 215   | 4                           | July 1, 1915 | 1,000         | 1,000    |
| July 1, 1897 | 192   | 4                           | July 1, 1916 | 1,000         | 1,000    |
| July 1, 1898 | 216   | 4                           | July 1, 1916 | 1,000         | 1,000    |
| July 1, 1897 | 193   | 4                           | July 1, 1917 | 1,000         | 1,000    |
| July 1, 1898 | 217   | 4                           | July 1, 1917 | 1,000         | 1,000    |
| July 1, 1897 | 194   | 4                           | July 1, 1918 | 1,000         | 1,000    |
| July 1, 1898 | 218   | 4                           | July 1, 1918 | 1,000         | 1,000    |
| July 1, 1897 | 195   | 4                           | July 1, 1919 | 1,000         | 1,000    |
| July 1, 1898 | 219   | 4                           | July 1, 1919 | 1,000         | 1,000    |
| July 1, 1897 | 196   | 4                           | July 1, 1920 | 1,000         | 1,000    |
| July 1, 1898 | 220   | 4                           | July 1, 1920 | 1,000         | 1,000    |
| July 1, 1897 | 197   | 4                           | July 1, 1921 | 1,000         | 1,000    |
| July 1, 1898 | 221   | 4                           | July 1, 1921 | 1,000         | 1,000    |
| July 1, 1897 | 198   | 4                           | July 1, 1922 | 1,000         | 1,000    |
| July 1, 1898 | 222   | 4                           | July 1, 1922 | 1,000         | 1,000    |
| July 1, 1898 | 223   | 4                           | July 1, 1923 | 1,000         | 1,000    |
|              | <i>Total amount of Sewer Loan Bonds . . . . .</i> |                             |              |               | \$78,000 |

TABLE B.—SEWER LOAN BONDS.—*Concluded.*ISSUED UNDER AUTHORITY OF CHAPTER 357, ACTS OF 1895, BEYOND  
THE LIMIT FIXED BY LAW.

| DATE.               | Number of Bonds.     | Rate per<br>cent. of<br>Interest. | When Due.          | Denomi-<br>nation. | Amount.         |
|---------------------|----------------------|-----------------------------------|--------------------|--------------------|-----------------|
| July 1, 1895        | 86 to 89             | 4                                 | July 1, 1899       | \$1,000            | \$4,000         |
| July 1, 1895        | 90 to 93             | 4                                 | July 1, 1900       | 1,000              | 4,000           |
| July 1, 1895        | 94 to 97             | 4                                 | July 1, 1901       | 1,000              | 4,000           |
| July 1, 1895        | 98 to 101            | 4                                 | July 1, 1902       | 1,000              | 4,000           |
| July 1, 1895        | 102 to 105           | 4                                 | July 1, 1903       | 1,000              | 4,000           |
| July 1, 1895        | 106 to 109           | 4                                 | July 1, 1904       | 1,000              | 4,000           |
| July 1, 1895        | 110 to 113           | 4                                 | July 1, 1905       | 1,000              | 4,000           |
| July 1, 1895        | 114 to 116           | 4                                 | July 1, 1906       | 1,000              | 3,000           |
| July 1, 1895        | 117 to 119           | 4                                 | July 1, 1907       | 1,000              | 3,000           |
| July 1, 1895        | 120 to 122           | 4                                 | July 1, 1908       | 1,000              | 3,000           |
| July 1, 1895        | 123 to 125           | 4                                 | July 1, 1909       | 1,000              | 3,000           |
| July 1, 1895        | 126 to 128           | 4                                 | July 1, 1910       | 1,000              | 3,000           |
| July 1, 1895        | 129 to 131           | 4                                 | July 1, 1911       | 1,000              | 3,000           |
| July 1, 1895        | 132 to 134           | 4                                 | July 1, 1912       | 1,000              | 3,000           |
| July 1, 1895        | 135 to 137           | 4                                 | July 1, 1913       | 1,000              | 3,000           |
| July 1, 1895        | 138 to 140           | 4                                 | July 1, 1914       | 1,000              | 3,000           |
| July 1, 1895        | 141 to 143           | 4                                 | July 1, 1915       | 1,000              | 3,000           |
| July 1, 1895        | 144 to 146           | 4                                 | July 1, 1916       | 1,000              | 3,000           |
| July 1, 1895        | 147 to 149           | 4                                 | July 1, 1917       | 1,000              | 3,000           |
| July 1, 1895        | 150 to 152           | 4                                 | July 1, 1918       | 1,000              | 3,000           |
| July 1, 1895        | 153 to 155           | 4                                 | July 1, 1919       | 1,000              | 3,000           |
| July 1, 1895        | 156 to 158           | 4                                 | July 1, 1920       | 1,000              | 3,000           |
| July 1, 1895        | 159 to 161           | 4                                 | July 1, 1921       | 1,000              | 3,000           |
| July 1, 1895        | 162 to 164           | 4                                 | July 1, 1922       | 1,000              | 3,000           |
| July 1, 1895        | 165 to 167           | 4                                 | July 1, 1923       | 1,000              | 3,000           |
| July 1, 1895        | 168 to 170           | 4                                 | July 1, 1924       | 1,000              | 3,000           |
| July 1, 1895        | 171 to 173           | 4                                 | July 1, 1925       | 1,000              | 3,000           |
| <i>Total amount</i> | <i>of Sewer Loan</i> | <i>Bonds</i>                      | <i>under above</i> | <i>Act . .</i>     | <u>\$88,000</u> |



TABLE B.

## CITY LOAN PAVING BONDS.

ISSUED UNDER AUTHORITY OF CHAPTER 153, ACTS OF 1892, BEYOND  
THE LIMIT FIXED BY LAW.

| DATE.                  | Number of Bonds. | Rate per<br>cent. of<br>Interest. | When Due.              | Denomi-<br>nation. | Amount.         |
|------------------------|------------------|-----------------------------------|------------------------|--------------------|-----------------|
| October 1, 1892        | 31 to 35         | 4                                 | Oct. 1, 1899           | \$1,000            | \$5,000         |
| October 1, 1892        | 36 to 40         | 4                                 | Oct. 1, 1900           | 1,000              | 5,000           |
| October 1, 1892        | 41 to 45         | 4                                 | Oct. 1, 1901           | 1,000              | 5,000           |
| October 1, 1892        | 46 to 50         | 4                                 | Oct. 1, 1902           | 1,000              | 5,000           |
| October 1, 1892        | 51 to 55         | 4                                 | Oct. 1, 1903           | 1,000              | 5,000           |
| October 1, 1892        | 56 to 60         | 4                                 | Oct. 1, 1904           | 1,000              | 5,000           |
| October 1, 1892        | 61 to 65         | 4                                 | Oct. 1, 1905           | 1,000              | 5,000           |
| October 1, 1892        | 66 to 70         | 4                                 | Oct. 1, 1906           | 1,000              | 5,000           |
| October 1, 1892        | 71 to 75         | 4                                 | Oct. 1, 1907           | 1,000              | 5,000           |
| October 1, 1892        | 76 to 80         | 4                                 | Oct. 1, 1908           | 1,000              | 5,000           |
| October 1, 1892        | 81 to 85         | 4                                 | Oct. 1, 1909           | 1,000              | 5,000           |
| October 1, 1892        | 86 to 90         | 4                                 | Oct. 1, 1910           | 1,000              | 5,000           |
| October 1, 1892        | 91 to 95         | 4                                 | Oct. 1, 1911           | 1,000              | 5,000           |
| October 1, 1892        | 96 to 100        | 4                                 | Oct. 1, 1912           | 1,000              | 5,000           |
| <i>Total amount of</i> |                  | <i>Paving</i>                     | <i>Bonds . . . . .</i> |                    | <i>\$70,000</i> |

TABLE B.  
WATER LOAN BONDS.

| DATE.                                   | Number of Bonds. | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.          |
|---|------------------|-----------------------------|--------------|---------------|------------------|
| July 1, 1882                            | 167 to 181       | 5                           | July 1, 1899 | \$1,000       | \$15,000         |
| July 1, 1882                            | 182              | 5                           | July 1, 1899 | 500           | 500              |
| July 1, 1888                            | 288              | 4                           | July 1, 1899 | 1,000         | 1,000            |
| July 1, 1896                            | b450             | 4                           | July 1, 1899 | 1,000         | 1,000            |
| October 1, 1889                         | 330 to 342       | 4                           | Oct. 1, 1899 | 1,000         | 13,000           |
| October 1, 1890                         | 409 to 410       | 4                           | Oct. 1, 1899 | 1,000         | 2,000            |
| July 1, 1882                            | 183 to 194       | 5                           | July 1, 1900 | 1,000         | 12,000           |
| July 1, 1882                            | 195              | 5                           | July 1, 1900 | 500           | 500              |
| July 1, 1888                            | 289              | 4                           | July 1, 1900 | 1,000         | 1,000            |
| July 1, 1896                            | b451             | 4                           | July 1, 1900 | 1,000         | 1,000            |
| October 1, 1884                         | 200 to 202       | 4                           | Oct. 1, 1900 | 1,000         | 3,000            |
| October 1, 1889                         | 343 to 344       | 4                           | Oct. 1, 1900 | 1,000         | 2,000            |
| October 1, 1890                         | 416 to 417       | 4                           | Oct. 1, 1900 | 1,000         | 2,000            |
| October 1, 1892                         | a448 to a458     | 4                           | Oct. 1, 1900 | 1,000         | 11,000           |
| July 1, 1888                            | 290              | 4                           | July 1, 1901 | 1,000         | 1,000            |
| July 1, 1896                            | b452             | 4                           | July 1, 1901 | 1,000         | 1,000            |
| October 1, 1884                         | 203 to 212       | 4                           | Oct. 1, 1901 | 1,000         | 10,000           |
| October 1, 1892                         | a459 to 468      | 4                           | Oct. 1, 1901 | 1,000         | 10,000           |
| July 1, 1885                            | 214 to 219       | 4                           | July 1, 1901 | 1,000         | 6,000            |
| October 1, 1889                         | 345 to 346       | 4                           | Oct. 1, 1901 | 1,000         | 2,000            |
| October 1, 1890                         | 418 to 419       | 4                           | Oct. 1, 1901 | 1,000         | 2,000            |
| July 1, 1885                            | 220 to 226       | 4                           | July 1, 1902 | 1,000         | 7,000            |
| July 1, 1886                            | 229 to 238       | 4                           | July 1, 1902 | 1,000         | 10,000           |
| July 1, 1896                            | b453             | 4                           | July 1, 1902 | 1,000         | 1,000            |
| <i>Amount carried forward . . . . .</i> |                  |                             |              |               | <u>\$115,000</u> |

TABLE B.—WATER LOAN BONDS.— *Continued.*

| DATE.           | Number of Bonds.                        | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.   |
|-----------------|---|-----------------------------|--------------|---------------|-----------|
|                 | <i>Amount brought forward . . . . .</i> |                             |              |               | \$115,000 |
| October 1, 1889 | 347 to 348                              | 4                           | Oct. 1, 1902 | \$1,000       | 2,000     |
| October 1, 1890 | 420 to 421                              | 4                           | Oct. 1, 1902 | 1,000         | 2,000     |
| October 1, 1892 | 469 to 475                              | 4                           | Oct. 1, 1902 | 1,000         | 7,000     |
| July 1, 1886    | 239 to 256                              | 4                           | July 1, 1903 | 1,000         | 18,000    |
| July 1, 1896    | b454                                    | 4                           | July 1, 1903 | 1,000         | 1,000     |
| October 1, 1889 | 349 to 350                              | 4                           | Oct. 1, 1903 | 1,000         | 2,000     |
| October 1, 1890 | 448 to 449                              | 4                           | Oct. 1, 1903 | 1,000         | 2,000     |
| July 1, 1886    | 257 to 266                              | 4                           | July 1, 1904 | 1,000         | 10,000    |
| July 1, 1896    | b455                                    | 4                           | July 1, 1904 | 1,000         | 1,000     |
| October 1, 1889 | 351 to 352                              | 4                           | Oct. 1, 1904 | 1,000         | 2,000     |
| October 1, 1890 | 450 to 451                              | 4                           | Oct. 1, 1904 | 1,000         | 2,000     |
| July 1, 1896    | b456                                    | 4                           | July 1, 1905 | 1,000         | 1,000     |
| October 1, 1889 | 353 to 355                              | 4                           | Oct. 1, 1905 | 1,000         | 3,000     |
| October 1, 1890 | 452 to 453                              | 4                           | Oct. 1, 1905 | 1,000         | 2,000     |
| July 1, 1876    | 30 to 31                                | 5½                          | July 1, 1906 | 5,000         | 10,000    |
| July 1, 1896    | b457                                    | 4                           | July 1, 1906 | 1,000         | 1,000     |
| October 1, 1889 | 356 to 358                              | 4                           | Oct. 1, 1906 | 1,000         | 3,000     |
| October 1, 1890 | 454 to 455                              | 4                           | Oct. 1, 1906 | 1,000         | 2,000     |
| July 1, 1886    | 267 to 276                              | 4                           | July 1, 1907 | 1,000         | 10,000    |
| July 1, 1888    | 291                                     | 4                           | July 1, 1907 | 1,000         | 1,000     |
| July 1, 1896    | b458                                    | 4                           | July 1, 1907 | 1,000         | 1,000     |
| October 1, 1889 | 359 to 361                              | 4                           | Oct. 1, 1907 | 1,000         | 3,000     |
| October 1, 1890 | 456 to 457                              | 4                           | Oct. 1, 1907 | 1,000         | 2,000     |
| July 1, 1888    | 292                                     | 4                           | July 1, 1908 | 1,000         | 1,000     |
| July 1, 1896    | b459                                    | 4                           | July 1, 1908 | 1,000         | 1,000     |
|                 | <i>Amount carried forward . . . . .</i> |                             |              |               | \$205,000 |

TABLE B.—WATER LOAN BONDS.—*Continued.*

| DATE.           | Number of Bonds.                        | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.   |
|-----------------|---|-----------------------------|--------------|---------------|-----------|
|                 | <i>Amount brought forward . . . . .</i> |                             |              |               | \$205,000 |
| October 1, 1889 | 362 to 364                              | 4                           | Oct. 1, 1908 | \$1,000       | 3,000     |
| October 1, 1890 | 458 to 459                              | 4                           | Oct. 1, 1908 | 1,000         | 2,000     |
| July 1, 1888    | 293                                     | 4                           | July 1, 1909 | 1,000         | 1,000     |
| October 1, 1889 | 365 to 367                              | 4                           | Oct. 1, 1909 | 1,000         | 3,000     |
| October 1, 1890 | 423 to 424                              | 4                           | Oct. 1, 1909 | 1,000         | 2,000     |
| July 1, 1888    | 294                                     | 4                           | July 1, 1910 | 1,000         | 1,000     |
| October 1, 1889 | 368 to 370                              | 4                           | Oct. 1, 1910 | 1,000         | 3,000     |
| October 1, 1890 | 426 to 427                              | 4                           | Oct. 1, 1910 | 1,000         | 2,000     |
| July 1, 1888    | 295                                     | 4                           | July 1, 1911 | 1,000         | 1,000     |
| October 1, 1889 | 371 to 373                              | 4                           | Oct. 1, 1911 | 1,000         | 3,000     |
| October 1, 1890 | 428 to 429                              | 4                           | Oct. 1, 1911 | 1,000         | 2,000     |
| July 1, 1888    | 296                                     | 4                           | July 1, 1912 | 1,000         | 1,000     |
| October 1, 1889 | 374 to 376                              | 4                           | Oct. 1, 1912 | 1,000         | 3,000     |
| October 1, 1890 | 430 to 431                              | 4                           | Oct. 1, 1912 | 1,000         | 2,000     |
| July 1, 1888    | 297                                     | 4                           | July 1, 1913 | 1,000         | 1,000     |
| October 1, 1889 | 377 to 379                              | 4                           | Oct. 1, 1913 | 1,000         | 3,000     |
| October 1, 1890 | 432 to 433                              | 4                           | Oct. 1, 1913 | 1,000         | 2,000     |
| July 1, 1888    | 298                                     | 4                           | July 1, 1914 | 1,000         | 1,000     |
| October 1, 1889 | 380 to 382                              | 4                           | Oct. 1, 1914 | 1,000         | 3,000     |
| October 1, 1890 | 434 to 435                              | 4                           | Oct. 1, 1914 | 1,000         | 2,000     |
| July 1, 1888    | 299                                     | 4                           | July 1, 1915 | 1,000         | 1,000     |
| October 1, 1889 | 383 to 384                              | 4                           | Oct. 1, 1915 | 1,000         | 2,000     |
| October 1, 1890 | 436 to 437                              | 4                           | Oct. 1, 1915 | 1,000         | 2,000     |
| July 1, 1888    | 300                                     | 4                           | July 1, 1916 | 1,000         | 1,000     |
| October 1, 1889 | 385 to 386                              | 4                           | Oct. 1, 1916 | 1,000         | 2,000     |
|                 | <i>Amount carried forward . . . . .</i> |                             |              |               | \$254,000 |



TABLE B.—WATER LOAN BONDS.—*Concluded.*

| DATE.           | Number of Bonds.                          | Rate per cent. of Interest. | When Due.    | Denomination. | Amount.   |
|-----------------|---|-----------------------------|--------------|---------------|-----------|
|                 | <i>Amount brought forward . . . . .</i>   |                             |              |               | \$254,000 |
| October 1, 1890 | 438 to 439                                | 4                           | Oct. 1, 1916 | \$1,000       | 2,000     |
| July 1, 1888    | 301                                       | 4                           | July 1, 1917 | 1,000         | 1,000     |
| October 1, 1889 | 387 to 388                                | 4                           | Oct. 1, 1917 | 1,000         | 2,000     |
| October 1, 1890 | 440 to 441                                | 4                           | Oct. 1, 1917 | 1,000         | 2,000     |
| July 1, 1888    | 302                                       | 4                           | July 1, 1918 | 1,000         | 1,000     |
| October 1, 1889 | 389 to 390                                | 4                           | Oct. 1, 1918 | 1,000         | 2,000     |
| October 1, 1890 | 442 to 443                                | 4                           | Oct. 1, 1918 | 1,000         | 2,000     |
| October 1, 1889 | 391 to 392                                | 4                           | Oct. 1, 1919 | 1,000         | 2,000     |
| October 1, 1890 | 444 to 445                                | 4                           | Oct. 1, 1919 | 1,000         | 2,000     |
| October 1, 1890 | 446 to 447                                | 4                           | Oct. 1, 1920 | 1,000         | 2,000     |
|                 | <i>Total Amount of Water Loan Bonds .</i> |                             |              |               | \$272,000 |

## RECAPITULATION.

|  |                |                       |
|--|----------------|-----------------------|
| City Loan Bonds . . . .  | \$1,044,000.00 |                       |
| Sewer Loan Bonds . . . .   | 78,000.00      |                       |
|  |                | <hr/>                 |
| Total amount of Funded Debt<br>within the limit provided<br>by law . . . . .                                   |                | \$1,122,000.00        |
| Sewer Loan Bonds, issued under<br>Chapter 357, Acts of 1895 . .  | \$88,000.00    |                       |
| City Loan Paving Bonds, issued<br>under Chapter 153, Acts of<br>1892 . . . . .                                 | 70,000.00      |                       |
|  |                | <hr/>                 |
| Total amount of Funded Debt<br>outside of the limit allowed<br>by law, issued under special<br>Acts, . . . . . |                | 158,000.00            |
| Water Loan Bonds . . . . .   |                | 272,000.00            |
|  |                | <hr/>                 |
| Total amount of Funded Debt  |                | <u>\$1,552,000.00</u> |

## TABLE C.

STATEMENT OF ACCOUNTS SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO  
DECEMBER 31, 1898.

## APPROPRIATIONS.

|   | CREDIT.      |                |
|---|--------------|----------------|
| Taxes, amount assessed . . . . .  | \$834,400.00 |                |
| Property and Debt balance . . . . .                                       | 176,000.00   |                |
|   |              | <hr/>          |
|   |              | \$1,010,400.00 |
|   | DEBIT.       |                |
| Armory . . . . .  | \$15,000.00  |                |
| Electrical Department . . . .   | 6,400.00     |                |
| Electrical Department, Fire<br>Alarm and Police Patrol<br>Boxes . . . . . | 1,500.00     |                |
|   |              | <hr/>          |
| <i>Amounts carried forward</i> . .  | \$22,900.00  | \$1,010,400.00 |

|   |              |                |
|---|--------------|----------------|
| <i>Amounts brought forward</i>  | \$ 22,900.00 | \$1,010,400.00 |
| Engineering Department  | 9,000.00     |                |
| Excess and Deficiency   | 8,400.00     |                |
| Fire Department   | 56,000.00    |                |
| Fire Department, Fire Station   |              |                |
| Clarendon Hill  | 15,000.00    |                |
| Health Department   | 20,000.00    |                |
| Highways  | 65,000.00    |                |
| Highways, Paving Webster avenue, Fitchburg Railroad to Cambridge line | 7,000.00     |                |
| Highways, Steam Road Roller   | 3,500.00     |                |
| Indigent Soldiers and Sailors   | 400.00       |                |
| Interest  | 80,000.00    |                |
| Lincoln Park  | 5,000.00     |                |
| Miscellaneous   | 9,000.00     |                |
| Police  | 48,500.00    |                |
| Police Station Incidentals  | 2,000.00     |                |
| Printing and Stationery   | 6,500.00     |                |
| Prospect Hill Park  | 20,000.00    |                |
| Public Grounds  | 6,000.00     |                |
| Public Library  | 7,500.00     |                |
| Reduction of Funded Debt  | 155,200.00   |                |
| Relief and Burial of Indigent   |              |                |
| Soldiers and Sailors  | 9,000.00     |                |
| Salaries  | 8,000.00     |                |
| School Contingent   | 18,000.00    |                |
| School Contingent, Janitors' Salaries                                 | 17,000.00    |                |
| School Fuel   | 10,000.00    |                |
| Schoolhouse, Burns Addition   | 12,000.00    |                |
| Schoolhouse, English High   | 1,000.00     |                |
| Schoolhouse Incidentals   | 17,000.00    |                |
| Schoolhouse, Prescott, Heating and Ventilating                        | 6,000.00     |                |
| Schoolhouse, Spring Hill District                                     | 6,000.00     |                |
| <i>Amounts carried forward</i>  | \$650,900.00 | \$1,010,400.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 117

|                                |              |                       |
|--------------------------------|--------------|-----------------------|
| <i>Amounts brought forward</i> | \$650,900.00 | \$1,010,400.00        |
| Schoolhouse, Ward Two          | 34,000.00    |                       |
| School Teachers' Salaries      | 190,000.00   |                       |
| Sewers, Construction           | 25,000.00    |                       |
| Sewers, Maintenance            | 7,000.00     |                       |
| Sidewalks                      | 15,000.00    |                       |
| Street Lights                  | 45,000.00    |                       |
| Support of Poor                | 20,000.00    |                       |
| Support of Poor, Almshouse     | 20,000.00    |                       |
| Watering streets               | 3,500.00     |                       |
|                                |              | <u>\$1,010,400.00</u> |

ARMORY.

CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account | \$15,000.00 |
|---|-------------|

DEBIT.

|   |                    |
|---|--------------------|
| Schoolhouse, Ward Two, amount transferred             | \$4,000.00         |
| Prospect Hill Park, amount transferred                | 356.21             |
| Schoolhouse, Spring Hill District, amount transferred | 521.03             |
| Balance to credit of account, 1899                    | 10,122.76          |
|   | <u>\$15,000.00</u> |

CASH.

CREDIT.

|   |                     |
|---|---------------------|
| Engineering Department                                    | \$ 9,040.21         |
| County of Middlesex                                       | 44,894.56           |
| Electrical Department                                     | 6,797.74            |
| Electrical Department, Fire Alarm and Police Patrol Boxes | 1,500.00            |
| Fire Department   | 57,388.65           |
| Fire Department, Fire Station Clarendon Hill              | 7,350.00            |
| Funded Debt   | 172,000.00          |
|   | <u>\$298,971.16</u> |
| <i>Amount carried forward</i>                             |                     |



|   |                       |
|---|-----------------------|
| <i>Amount brought forward</i>   | \$298,971.16          |
| Health Department   | 25,020.80             |
| Highways  | 68,761.01             |
| Highways, Paving Somerville avenue, Park street, westerly             | 209.68                |
| Highways, Paving Webster avenue, Fitchburg Railroad to Cambridge line | 7,033.70              |
| Highways, Subway at Kent street                                       | 406.80                |
| Highways, Subway at Sacramento street                                 | 512.34                |
| Highways, Steam Road Roller   | 3,190.00              |
| Indigent Soldiers and Sailors   | 538.00                |
| Interest  | 45,968.27             |
| Miscellaneous   | 17,208.61             |
| Overlay and Abatement   | 175.47                |
| Police  | 52,616.34             |
| Police Station Incidentals  | 2,098.46              |
| Printing and Stationery   | 7,575.60              |
| Public Grounds  | 7,688.79              |
| Public Grounds, Lincoln Park  | 4,987.87              |
| Public Grounds, Prospect Hill Park                                    | 20,356.21             |
| Public Library  | 10,143.83             |
| Relief and Burial of Indigent Soldiers and Sailors                    | 11,404.93             |
| Salaries  | 32,158.00             |
| School Contingent   | 19,685.59             |
| School Contingent, Janitors' Salaries                                 | 17,372.58             |
| School Fuel   | 9,765.58              |
| Schoolhouse, English High   | 1,114.30              |
| Schoolhouse Incidentals   | 16,955.60             |
| Schoolhouse, Ward Two   | 9,848.53              |
| Schoolhouse, Land in Ward Two   | 94.00                 |
| Schoolhouse, Prescott, Heating and Ventilating                        | 3,516.23              |
| Schoolhouse, Spring Hill District                                     | 40,041.60             |
| School Teachers' Salaries   | 202,946.83            |
| Sewers, Construction  | 105,162.59            |
| Sewers, Maintenance   | 7,755.06              |
| <i>Amount carried forward</i>   | <u>\$1,051,284.36</u> |

|   |                |
|---|----------------|
| <i>Amount brought forward</i>                         | \$1,051,284.36 |
| Sidewalks   | 30,197.01      |
| State Aid   | 10,990.50      |
| State of Massachusetts                                | 27,075.00      |
| State of Massachusetts, Metropolitan Sewer Assessment | 31,566.31      |
| State of Massachusetts, Metropolitan Water Assessment | 14,250.19      |
| State of Massachusetts, Non-resident Bank Stock       | 1,043.12       |
| Street Lights   | 43,897.56      |
| Sundry Persons  | 21,709.21      |
| Support of Poor                                       | 28,522.21      |
| Temporary Loans                                       | 950,000.00     |
| Water Loan Interest                                   | 9,190.00       |
| Water Maintenance                                     | 61,901.05      |
| Water Services  | 3,141.27       |
| Watering Streets                                      | 16,993.18      |
| Water Works Extension                                 | 26,970.22      |
| Balance to debit in account, 1899                     | 70,376.04      |
|   | <hr/>          |
|   | \$2,399,107.23 |

## DEBIT.

|   |              |
|---|--------------|
| Balance from 1897   | \$ 90,433.87 |
| City of Boston, Water Rates   | 5,278.88     |
| Engineering Department  | 61.50        |
| Electrical Department   | 42.70        |
| Fire Department   | 332.40       |
| Funded Debt   | 176,000.00   |
| Health Department   | 1,603.92     |
| Highways  | 4,384.13     |
| Highways, Paving Webster avenue, Fitchburg Railroad to Cambridge line | 30.35        |
| Interest  | 13,315.54    |
| Miscellaneous   | 5,429.09     |

|                                |              |                |
|--------------------------------|--------------|----------------|
| <i>Amounts carried forward</i> | \$296,912.38 | \$2,399,107.23 |
|--------------------------------|--------------|----------------|

|   |              |                       |
|---|--------------|-----------------------|
| <i>Amounts brought forward</i>  | \$296,912.38 | \$2,399,107.23        |
| Overlay and Abatement   | 20.70        |                       |
| Police  | 3,776.50     |                       |
| Police Station Incidentals  | 600.00       |                       |
| Public Grounds  | 1,317.76     |                       |
| Public Library  | 2,790.24     |                       |
| Real Estate Liens   | 715.62       |                       |
| Reduction of Funded Debt  | 10,023.10    |                       |
| Relief and Burial of Indigent<br>Soldiers and Sailors                 | 46.00        |                       |
| Salaries  | 27,463.89    |                       |
| School Contingent   | 294.25       |                       |
| Schoolhouse, English High   | 114.30       |                       |
| Schoolhouse Incidentals   | 313.31       |                       |
| Schoolhouse, Ward Two   | 70.00        |                       |
| Sewer Assessments   | 11,500.87    |                       |
| Sewers, Construction  | 107.36       |                       |
| Sewers, Maintenance   | 345.71       |                       |
| Sidewalks   | 260.49       |                       |
| Sidewalk Assessments  | 13,064.02    |                       |
| State Aid   | 18.00        |                       |
| State of Massachusetts, Burial<br>of Indigent Soldiers and<br>Sailors | 245.00       |                       |
| State of Massachusetts, Indi-<br>gent Soldiers and Sailors            | 365.00       |                       |
| State of Massachusetts, State<br>Aid                                  | 9,261.50     |                       |
| Support of Poor   | 6,552.98     |                       |
| Temporary Loans   | 900,000.00   |                       |
| Taxes   | 909,563.74   |                       |
| Water Maintenance   | 3,280.18     |                       |
| Water Services  | 8.98         |                       |
| Water Service Assessments   | 3,516.24     |                       |
| Watering Streets Assessments  | 757.08       |                       |
| Watering Streets  | 345.88       |                       |
| Water Works, Income   | 195,456.15   |                       |
|   |              | <u>\$2,399,107.23</u> |

## CITY OF BOSTON, WATER RATES.

## CREDIT.

|  |            |
|--|------------|
| Cash, received of City of Boston, return on<br>water rates . . . . . | \$5,278.88 |
|--|------------|

## DEBIT.

|                              |                   |
|------------------------------|-------------------|
| Water, Maintenance . . . . . | <u>\$5,278.88</u> |
|------------------------------|-------------------|

## COUNTY OF MIDDLESEX.

## CREDIT.

|                                  |             |
|----------------------------------|-------------|
| Taxes, amount assessed . . . . . | \$44,894.56 |
|----------------------------------|-------------|

## DEBIT.

|                                 |                    |
|---------------------------------|--------------------|
| Cash, paid County Tax . . . . . | <u>\$44,894.56</u> |
|---------------------------------|--------------------|

## ELECTRICAL DEPARTMENT.

## CREDIT.

|   |            |
|---|------------|
| Appropriations, amount assessed . . . . . | \$6,400.00 |
|---|------------|

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|--|---------|
| Cash, received of Henry Cohen,<br>old copper . . . . . | \$40.00 |
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|--|------|
| Cash, received of A. S. Jackson,<br>jars . . . . . | 2.70 |
|--|------|

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|  | <u>42.70</u> |
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|  | \$6,442.70 |
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|---|--------|
| Excess and Deficiency, balance<br>to debit of account . . . . . | 355.04 |
|---|--------|

|  |                   |
|--|-------------------|
|  | <u>\$6,797.74</u> |
|--|-------------------|

## DEBIT.

|                               |            |
|-------------------------------|------------|
| Cash, paid laborers . . . . . | \$3,330.25 |
|-------------------------------|------------|

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|--|----------|
| Edward Backus, salary as Su-<br>perintendent of Electric<br>Lines and Lights . . . . . | 1,200.00 |
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|--|--------|
| New England Gamewell Co.,<br>batteries, etc. . . . . | 937.99 |
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| Pettingell-Andrews Co., elec-<br>trical supplies . . . . . | 357.45 |
|--|--------|

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| <i>Amounts carried forward . . . . .</i> | <u>\$5,825.69</u> | <u>\$6,797.74</u> |
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|  |            |            |
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| <i>Amounts brought forward</i> .                           | \$5,825.69 | \$6,797.74 |
| Thomas W. Gleeson, electrical supplies . . . . .           | 146.56     |            |
| Chandler & Farquhar, electrical supplies . . . . .         | 68.22      |            |
| The Electric Protection Co., electrical supplies . . . . . | 1.55       |            |
| Charles L. Bly, wire . . . . .                             | 206.67     |            |
| Underhill Hardware Co., hardware . . . . .                 | 42.71      |            |
| Charles L. Underhill, repairs of wagon . . . . .           | 12.60      |            |
| E. Teele & Co., repairs of wagon . . . . .                 | 12.85      |            |
| L. A. Wright, repairs of pung . . . . .                    | 8.00       |            |
| Weston Electrical Instrument Co., repairs . . . . .        | 5.45       |            |
| Osman F. Hinks, carpentering . . . . .                     | 72.87      |            |
| John T. Sellon, glass . . . . .                            | 5.90       |            |
| W. E. Plumer & Co., hardware . . . . .                     | .10        |            |
| D. J. Bennett, harness work . . . . .                      | 22.30      |            |
| J. T. Macneill, harness work . . . . .                     | .50        |            |
| George W. Gale Lumber Co., Lumber . . . . .                | 16.80      |            |
| I. H. Wiley & Co., paint . . . . .                         | 11.72      |            |
| Arthur C. Gordon, painting . . . . .                       | 21.50      |            |
| C. Caseau, signs . . . . .                                 | 1.00       |            |
| M. E. Crouse, horseshoeing . . . . .                       | 2.80       |            |
| Edward O'Brien, horseshoeing . . . . .                     | 3.40       |            |
| George McDormand, horseshoeing . . . . .                   | 1.40       |            |
| C. B. Fagan, veterinary services . . . . .                 | 3.00       |            |
| W. H. Bullard, soap . . . . .                              | .35        |            |
| A. S. Jackson, lanterns . . . . .                          | 5.50       |            |
| Thomas Groom & Co., books . . . . .                        | 2.75       |            |
| Boston Electric Co., wire . . . . .                        | 33.68      |            |
| <i>Amounts carried forward</i> .                           | \$6,535.87 | \$6,797.74 |

|   |            |                   |
|---|------------|-------------------|
| <i>Amounts brought forward</i> .                    | \$6,535.87 | \$6,797.74        |
| New England Telephone and<br>Telegraph Co., wire .  | 1.35       |                   |
| New England Glass Mfg. Co.,<br>insulators . . . . . | 4.00       |                   |
| Cornelius Callahan Co., globe                       | 1.50       |                   |
| Elijah Walker, cleats . . .                         | 4.04       |                   |
| William McDonald, axle arms                         | 11.00      |                   |
| Boston Woven Hose & Rubber<br>Co., snaps . . . . .  | 2.00       |                   |
| W. E. Decrow, oil . . . . .                         | 33.24      |                   |
| Somerville Citizen Co., printing                    | 8.05       |                   |
| Somerville Electric Light Co.<br>lighting . . . . . | 3.34       |                   |
| George T. Day, expressing .                         | 31.75      |                   |
| American Express Co., express-<br>ing . . . . .     | 5.60       |                   |
| Fire Department, horse keeping                      | 156.00     |                   |
|   |            | <u>\$6,797.74</u> |

## ENGINEERING DEPARTMENT.

## CREDIT.

|  |                   |
|--|-------------------|
| Appropriations, amount assessed . . . . .    | \$9,000.00        |
| Cash, received of W. A. Sanborn, surveying . | 40.00             |
| Miscellaneous account, numbering houses .    | 21.50             |
|  | <u>\$9,061.50</u> |

## DEBIT.

|   |                   |
|---|-------------------|
| Cash, paid Ernest W. Bailey, City<br>Engineer . . . . . | \$2,200.00        |
| Maintenance of team . . . . .                           | 150.00            |
| Engineer's Assistants . . . . .                         | 6,062.02          |
| Engineer's Assistants, car fares                        | 174.15            |
| Wadsworth, Howland & Co.,<br>paper, etc. . . . .        | 110.21            |
| D. L. Makepeace, paper .                                | 24.80             |
|   | <u>\$8,721.18</u> |
| <i>Amounts carried forward</i> .                        | \$9,061.50        |

|  |            |            |
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| <i>Amounts brought forward</i>               | \$8,721.18 | \$9,061.50 |
| Thomas Groom & Co., stationery               | 104.82     |            |
| M. L. Vinal, stationery                      | 1.00       |            |
| Sprague & Hathaway Co., maps                 | 1.00       |            |
| Heliotype Printing Co., maps                 | 1.00       |            |
| H. C. Dimond & Co., type                     | 1.25       |            |
| F. W. Gilbert, rubber boots                  | 6.75       |            |
| Whitney & Snow, hardware                     | 73.64      |            |
| Frost, Adams & Co., chalk                    | 2.07       |            |
| I. H. Brown Moulding Co.,<br>lumber          | 27.41      |            |
| Library Bureau, cards                        | 2.55       |            |
| United Typewriter Supply Co.,<br>ribbon      | 3.50       |            |
| J. H. Brooks, cloth                          | 3.60       |            |
| A. W. Mitchell Mfg Co.,<br>stamps            | .40        |            |
| Watts Bros., rules                           | 3.00       |            |
| Fred W. Farrar, magnifier                    | .50        |            |
| Charles H. Hutchinson, sur-<br>veyor's rod   | 6.00       |            |
| A. J. Wilkinson & Co., plumb<br>bobs, etc.   | 12.51      |            |
| Benjamin French & Co.,<br>album              | 2.93       |            |
| Buff & Berger, repairing tran-<br>sit, etc.  | 27.00      |            |
| Josiah Cummings Sons Co.,<br>bag             | 6.50       |            |
| Rich, Reed & Atwood, tool<br>bag             | 4.50       |            |
| J. T. Macneill, repairs of tool<br>bag       | .95        |            |
| George O. W. Servis, use of<br>transit, etc. | 24.15      |            |
| George T. Day, expressing                    | .30        |            |
| <i>Amounts carried forward</i>               | \$9,038.51 | \$9,061.50 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .                               | \$9,038.51 | \$9,061.50  |
| Gilman Ex. Co., expressing .                                   | .60        |             |
| Glines & Co., expressing .                                     | .15        |             |
| American Express Co., ex-<br>pressing . . . . .                | .50        |             |
| London's Express . . . . .                                     | .45        |             |
|  | <hr/>      |             |
|  | \$9,040.21 |             |
| Excess and Deficiency, balance<br>to credit of account . . . . | 21.29      |             |
|  | <hr/>      |             |
|  |            | \$9,061.50  |
|  |            | <hr/> <hr/> |

ELECTRICAL DEPARTMENT, FIRE ALARM AND  
POLICE PATROL BOXES.

## CREDIT.

|  |            |
|--|------------|
| Appropriations, amount appropriated by borrow-<br>ing on Funded Debt account . . . . . | \$1,500.00 |
|--|------------|

## DEBIT.

|  |          |             |
|--|----------|-------------|
| Cash, paid W. E. Decrow, fire<br>alarm boxes, etc. . . . . | \$899.60 |             |
| Municipal Signal Co., police<br>patrol boxes . . . . .     | 550.00   |             |
| Boston Electric Co., wire .                                | 14.31    |             |
| W. E. Decrow, key jars .                                   | 24.00    |             |
| Pettingell, Andrews & Co.,<br>wire . . . . .               | 11.34    |             |
| American Express Co., ex-<br>pressing . . . . .            | .75      |             |
|  | <hr/>    |             |
|  |          | \$1,500.00  |
|  |          | <hr/> <hr/> |

## EXCESS AND DEFICIENCY.

## CREDIT.

|  |            |
|--|------------|
| Appropriations, amount appropriated . . . . .                  | \$8,400.00 |
| Engineering Department, credit balance of<br>account . . . . . | 21.29      |
|  | <hr/>      |
| <i>Amount carried forward</i> . . . . .                        | \$8,421.29 |



|   |             |
|---|-------------|
| <i>Amount brought forward</i> . . . . .   | \$ 8,421.29 |
| Fire Department, Fire station No. 3 Improvement, credit balance of account . . . . .    | 52.00       |
| Highways, credit balance of account . . . . .   | 356.06      |
| Highways, Steam Road Roller, credit balance of account . . . . .                        | 310.00      |
| Indigent Soldiers and Sailors, credit balance of account . . . . .                      | 131.00      |
| Interest, credit balance of account . . . . .   | 14,617.27   |
| Miscellaneous, credit balance of account . . . . .                                      | 2,220.48    |
| Police Station Incidentals, credit balance of account . . . . .                         | 501.54      |
| Printing and Stationery, credit balance of account . . . . .                            | 424.40      |
| Public Grounds, credit balance of account . . . . .                                     | 28.97       |
| Public Grounds, Lincoln Park, credit balance of account . . . . .                       | 12.13       |
| Relief and Burial of Indigent Soldiers and Sailors, credit balance of account . . . . . | 96.07       |
| Salaries, credit balance of account . . . . .   | 3,305.89    |
| School Fuel, credit balance of account . . . . .  | 234.42      |
| Schoolhouse Incidentals, credit balance of account . . . . .                            | 357.71      |
| Schoolhouse, Land in Ward Two, credit balance of account . . . . .                      | .75         |
| Street Lights, credit balance of account . . . . .                                      | 1,102.44    |
| Support of Poor, credit balance of account . . . . .                                    | 1,030.77    |
| Water Maintenance, credit balance of account . . . . .                                  | 41.96       |
| Watering Streets, credit balance of account . . . . .                                   | 214.38      |
| Water Works Extension, credit balance of account . . . . .                              | 29.78       |
|   | <hr/>       |
|   | \$33,489.31 |

## DEBIT.

|   |            |             |
|---|------------|-------------|
| Balances to debit of account, 1897 . . . . .              | \$8,369.38 |             |
| Electrical Department, debit balance of account . . . . . | 355.04     |             |
|   | <hr/>      |             |
| <i>Amounts carried forward</i> . . . . .                  | \$8,724.42 | \$33,489.31 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 127

|   |             |                           |
|---|-------------|---------------------------|
| <i>Amounts brought forward</i> . . . . .                                  | \$8,724.42  | \$33,489.31               |
| Fire Department, debit balance of account . . . . .                       | 1,056.25    |                           |
| Health Department, debit balance of account . . . . .                     | 3,416.88    |                           |
| Overlay and Abatement, debit balance of account . . . . .                 | 1,529.43    |                           |
| Police, debit balance of account . . . . .                                | 339.84      |                           |
| School Contingent, debit balance of account . . . . .                     | 1,391.34    |                           |
| School Contingent, Janitors' Salaries, debit balance of account . . . . . | 372.58      |                           |
| Sewers, Maintenance, debit balance of account . . . . .                   | 109.35      |                           |
|   | <hr/>       |                           |
|   | \$16,940.09 |                           |
| Balance to credit of account, 1899 . . . . .                              | 16,549.22   |                           |
|   | <hr/>       |                           |
|   |             | <u><u>\$33,489.31</u></u> |

FIRE DEPARTMENT.

CREDIT.

|  |             |
|--|-------------|
| Appropriations, amount assessed . . . . .                        | \$56,000.00 |
| Cash, received of Electrical Department, horse keeping . . . . . | \$156.00    |
| Henry S. Harris, horses . . . . .                                | 72.40       |
| James F. Hanley, horse . . . . .                                 | 50.00       |
| Welch & Hall, horse . . . . .                                    | 6.00        |
| W. A. Sanborn, wheels . . . . .                                  | 20.00       |
| Charles S. Butters, manure . . . . .                             | 28.00       |
|  | <hr/>       |
|  | 332.40      |
| Excess and Deficiency, balance to debit of account . . . . .     | 1,056.25    |
|  | <hr/>       |
| <i>Amount carried forward</i> . . . . .                          | \$57,388.65 |

*Amount brought forward* . . . . . \$57,388.65

## DEBIT.

|  |             |
|--|-------------|
| Cash, paid James R. Hopkins,<br>chief engineer . . . . . | \$ 1,800.00 |
| Nathaniel C. Barker, assistant<br>engineer . . . . .     | 600.00      |
| Permanent firemen and sub-<br>stitutes . . . . .         | 27,596.70   |
| Steamer Co. No. 1, callmen . . . . .                     | 1,299.50    |
| Steamer Co. No. 2, callmen . . . . .                     | 1,262.00    |
| Steamer Co. No. 4, callmen . . . . .                     | 1,362.00    |
| Hose Co. No. 2, callmen . . . . .                        | 1,392.00    |
| Hose Co. No. 3, callmen . . . . .                        | 1,362.50    |
| Hose Co. No. 5, callmen . . . . .                        | 1,362.75    |
| Hook and Ladder Co. No. 1,<br>callmen . . . . .          | 1,530.75    |
| Hook and Ladder Co. No. 2,<br>callmen . . . . .          | 1,492.75    |
| Charles H. Bridges, extra fire<br>duty . . . . .         | 2.00        |
| John H. Cuddy, extra fire duty . . . . .                 | 2.00        |
| Thomas F. Joy, extra fire duty . . . . .                 | 2.00        |
| William H. Wheaton, extra<br>fire duty . . . . .         | 2.00        |
| William H. Wheaton, painting . . . . .                   | 26.00       |
| Charles B. Hill, extra fire duty . . . . .               | 4.00        |
| William J. Kennedy, extra fire<br>duty . . . . .         | 4.00        |
| George W. Burgess, extra fire<br>duty . . . . .          | 2.00        |
| James H. Ford, extra fire duty . . . . .                 | 2.00        |
| Joseph Lord, extra fire duty . . . . .                   | 2.00        |
| Martin S. Lacey, extra fire duty . . . . .               | 2.00        |
| James D. Perkins, Jr., extra<br>fire duty . . . . .      | 2.00        |
| James H. Thompson, extra fire<br>duty . . . . .          | 2.00        |

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*Amounts carried forward* . . . . . \$41,114.95      \$57,388.65

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                  | \$41,114.95 | \$57,388.65 |
| Powers & Co., grain . . . . .                     | 739.12      |             |
| Nathan Tufts & Sons, grain . . . . .              | 476.05      |             |
| Fulton O'Brion, hay and grain . . . . .           | 460.21      |             |
| G. W. Ladd & Co., hay and grain . . . . .         | 163.41      |             |
| G. F. & S. E. Sturtevant, hay and grain . . . . . | 564.17      |             |
| Hosmer, Robinson & Co., hay and grain . . . . .   | 274.47      |             |
| Proctor Bros., hay and grain . . . . .            | 32.69       |             |
| Lord & Webster, hay and grain . . . . .           | 219.40      |             |
| C. A. Slager, hay and straw . . . . .             | 1.46        |             |
| West & Jenney, drugs . . . . .                    | 44.01       |             |
| H. D. Padelford, drugs . . . . .                  | 16.08       |             |
| Elias Lathrop, drugs . . . . .                    | 8.00        |             |
| H. S. Garcelon, drugs . . . . .                   | .60         |             |
| Sulpho Naphthol Co., sulpho naphthol . . . . .    | 24.00       |             |
| S. A. Dinsmore, disinfectant . . . . .            | 5.00        |             |
| Cochrane Chemical Co., vitriol . . . . .          | 2.74        |             |
| Seward Dodge, horseshoeing . . . . .              | 130.70      |             |
| J. B. Rufer, horseshoeing . . . . .               | 265.11      |             |
| M. E. Crouse, horseshoeing . . . . .              | 170.61      |             |
| A. Clement, horseshoeing . . . . .                | 53.70       |             |
| I. B. Walker, horseshoeing . . . . .              | 7.50        |             |
| J. H. Thompson, horseshoeing . . . . .            | 18.15       |             |
| W. H. Richardson, horseshoeing . . . . .          | 137.14      |             |
| R. F. Dimock, horseshoeing . . . . .              | 8.47        |             |
| William Buckley, horseshoeing . . . . .           | 55.39       |             |
| Edward O'Brien, horseshoeing . . . . .            | 70.90       |             |
| J. B. Rielly, horseshoeing . . . . .              | 3.00        |             |
| C. R. Simpson, veterinary services . . . . .      | 93.25       |             |
| <i>Amounts carried forward</i> .                  | \$45,160.28 | \$57,388.65 |



|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                       | \$45,160.28 | \$57,388.65 |
| John G. Lesure, horse medicine . . . . .               | 10.00       |             |
| L. P. O'Donnell, medical attendance . . . . .          | 2.00        |             |
| James R. Hopkins, freight .                            | 4.01        |             |
| Henry S. Harris & Co., horses . . . . .                | 207.95      |             |
| Welch & Hall, horses . . .                             | 267.50      |             |
| L. W. Folsom, horse . . . .                            | 150.00      |             |
| Eugene Mead, carriage hire .                           | 14.00       |             |
| E. Teel & Co., repairs of apparatus . . . . .          | 182.30      |             |
| L. A. Wright, repairs of apparatus . . . . .           | 70.20       |             |
| Charles L. Underhill, repairs of apparatus . . . . .   | 24.40       |             |
| Frank W. Leavitt, repairs of apparatus . . . . .       | 28.55       |             |
| Charles E. Berry, repairs of apparatus . . . . .       | 210.21      |             |
| Charles River Iron Works, repairs of apparatus . . . . | 10.84       |             |
| American Fire Engine Co., repairs of apparatus . . . . | 59.95       |             |
| American Tube Works, repairs of apparatus . . . . .    | 8.12        |             |
| Concord Axle Co., repairs of apparatus . . . . .       | 60.00       |             |
| C. N. Perkins, repairs of apparatus . . . . .          | 2.00        |             |
| Osgood & Hart, repairs of apparatus . . . . .          | 1.95        |             |
| Crosby Steam Gage & Valve Co., repairs of apparatus .  | 4.50        |             |
| Roberts Iron Works Co., repairs of apparatus . . . .   | 60.91       |             |
| <i>Amounts carried forward</i> .                       | \$46,539.67 | \$57,388.65 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 131

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| <i>Amounts brought forward</i> . . .                         | \$46,539.67 | \$57,388.65 |
| Winfield S. Knowles, repairs<br>of apparatus . . . . .       | .75         |             |
| Jacob Bean, repairs of ap-<br>paratus . . . . .              | 14.95       |             |
| Somerville Iron Foundry Co.,<br>repairs of apparatus . . . . | 1.50        |             |
| Pettingell-Andrews Co., elec-<br>trical supplies . . . . .   | 47.88       |             |
| Thomas W. Gleeson, electrical<br>supplies . . . . .          | 4.62        |             |
| John E. Abbott, grate . . . .                                | 25.00       |             |
| Leander Barber, brooms . . . .                               | 9.00        |             |
| Somerville Brush & Mop Co.,<br>brushes . . . . .             | 6.00        |             |
| W. G. Hallock, brushes . . . .                               | 73.25       |             |
| Poor's Fountain Brush Co.,<br>brush . . . . .                | 3.00        |             |
| National Brass Mfg. Co.,<br>coupling . . . . .               | 3.25        |             |
| C. H. W. Moulton & Co.,<br>nozzles . . . . .                 | 22.00       |             |
| Bartlett Self Closing Nozzle<br>Co., nozzles . . . . .       | 3.00        |             |
| Samuel Eastman & Co., nozzle . . . .                         | 50.00       |             |
| Boston Belting Co., hose . . . .                             | 589.38      |             |
| Boston Woven Hose & Rub-<br>ber Co., hose . . . . .          | 145.40      |             |
| American Fire Hose Mfg. Co.,<br>hose . . . . .               | 119.90      |             |
| Henry K. Barnes, hose . . . .                                | 27.50       |             |
| Fabric Fire Hose Co., hose . . . .                           | 65.00       |             |
| J. T. Macneill, harness work . . . .                         | 31.35       |             |
| A. M. Prescott, harness work . . . .                         | 77.75       |             |
| E. Spalding, harness work . . . .                            | 26.71       |             |
| D. J. Bennett, harness work . . . .                          | 27.85       |             |
| <i>Amounts carried forward</i> . . .                         | \$47,914.71 | \$57,388.65 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                     | \$47,914.71 | \$57,388.65 |
| Hill & Hill, harness work .                          | 12.00       |             |
| H. A. Glazier, harness work .                        | 3.00        |             |
| Underhill Hardware Co., hard-<br>ware . . . . .      | 40.46       |             |
| E. S. Sparrow & Co., hard-<br>ware . . . . .         | 39.25       |             |
| W. E. Plumer & Co., hard-<br>ware . . . . .          | 14.69       |             |
| Whitney & Snow, hardware .                           | 12.71       |             |
| A. J. Wilkinson, hardware .                          | 2.80        |             |
| W. E. Decrow, hardware . .                           | 4.25        |             |
| Joseph Breck & Son, hard-<br>ware . . . . .          | 1.25        |             |
| Gibbs & Nelson, lighters .                           | 10.00       |             |
| A. W. Mitchell Mfg. Co.,<br>badges . . . . .         | 2.25        |             |
| Oak Hall Clothing Co., in-<br>signia . . . . .       | 31.50       |             |
| Scovill Mfg. Co., buttons .                          | 11.25       |             |
| A. S. Jackson, fire gongs, etc.                      | 47.00       |             |
| Postal Improvement Co., box .                        | 9.00        |             |
| A. J. Tuttle, thermometers .                         | 1.00        |             |
| Andrew J. Morse & Son, hy-<br>drant gates . . . . .  | 18.00       |             |
| B. F. Wild & Co., fuel . . .                         | 148.86      |             |
| Horatio Wellington & Co.,<br>fuel . . . . .          | 630.82      |             |
| Wellington - Wild Coal Co.,<br>fuel . . . . .        | 536.39      |             |
| Somerville Electric Light Co.,<br>lighting . . . . . | 566.08      |             |
| Cambridge Gaslight Co., gas .                        | 233.80      |             |
| Charlestown Gas & Electric<br>Co., gas . . . . .     | 78.59       |             |
| Boston Electric Co., lamps,<br>etc. . . . .          | 25.39       |             |
| <i>Amounts carried forward</i> .                     | \$50,395.05 | \$57,388.65 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 133

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                    | \$50,395.05 | \$57,388.65 |
| Lynn Electric Novelty Co.,<br>hand light . . . . .  | 4.00        |             |
| Cambridge Ice Co., ice . . . .                      | 50.52       |             |
| Winter Hill Ice Co., ice . . . .                    | 11.40       |             |
| Boston Ice Co., ice . . . . .                       | 6.00        |             |
| City of Somerville, water for<br>hydrants . . . . . | 4,172.00    |             |
| City of Somerville, water for<br>houses . . . . .   | 229.88      |             |
| City of Boston, water for<br>houses . . . . .       | 23.80       |             |
| Mrs. Walter Loveland, wash-<br>ing . . . . .        | 71.25       |             |
| Samuel H. Stevens, washing . . .                    | 45.49       |             |
| A. M. Spike, washing . . . . .                      | 35.86       |             |
| Mrs. E. F. Trefren, washing . . .                   | 44.48       |             |
| Mrs. Calvert, washing . . . . .                     | 121.58      |             |
| Irving C. Jackson, washing . . .                    | 27.50       |             |
| John S. Williams, blankets . . .                    | 68.10       |             |
| Hiram N. Stearns, sheets . . . .                    | 30.00       |             |
| E. Schuebeler, bags . . . . .                       | 4.00        |             |
| National Roller Screen Co.,<br>screens . . . . .    | 5.84        |             |
| Bowker, Torrey & Co., shelves . .                   | 10.70       |             |
| Loeb Respirator Co., cartridges .                   | 2.50        |             |
| Everett B. Dyer, inspecting<br>boiler . . . . .     | 10.50       |             |
| W. A. Snow & Co., horse<br>stalls, etc. . . . .     | 107.50      |             |
| F. D. Weld, lumber . . . . .                        | 53.90       |             |
| I. H. Brown Moulding Co.,<br>lumber . . . . .       | 11.85       |             |
| Parker & Page, lumber . . . . .                     | 19.24       |             |
| Wilbur P. Rice, lumber . . . . .                    | 7.10        |             |
| F. C. Ayer, lumber . . . . .                        | 2.82        |             |
| <i>Amounts carried forward</i> .                    | \$55,572.86 | \$57,388.65 |



|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i>  | \$55,572.86 | \$57,388.65 |
| G. D. B. Robinson Co., lumber   | 2.76        |             |
| Howe & Flint, plumbing  | 146.22      |             |
| George H. Maynard, plumbing   | 12.40       |             |
| W. H. Bullard, oil, etc.  | 25.60       |             |
| James Bartley, oil, etc.  | 10.55       |             |
| J. A. Durell, oil, etc.   | 30.57       |             |
| Massachusetts Oil Co., oil  | 6.20        |             |
| H. W. Burgess, oil  | 15.52       |             |
| A. F. Carpenter, oil  | 7.79        |             |
| Standard Chemical Co., soap   | 4.50        |             |
| Norfolk Mfg. Co., soap  | 5.00        |             |
| New England Soap Co., soap  | 3.75        |             |
| Ford & Denning, soap  | 7.00        |             |
| John H. Givan, soap   | 7.82        |             |
| Glaister Mfg. Co., polish   | 8.00        |             |
| Bunker Hill Electric Co.,<br>polish                                       | 2.40        |             |
| George E. Downs, salt   | 4.50        |             |
| Cornelius Callahan Co., gong<br>and striker                               | 86.00       |             |
| Amee & Co., standard food   | 6.50        |             |
| Frank P. Merrill, horse food  | 4.00        |             |
| Frank E. Fitts Mfg. & Supply<br>Co., waste                                | 28.12       |             |
| Harry F. Bucknam, lime  | 1.00        |             |
| George E. Wyman, repairing<br>clocks                                      | 11.00       |             |
| S. D. Hicks & Sons, shoes   | 23.36       |             |
| Newton Ladder Co., ladder   | 7.50        |             |
| United Manufacturing Agency,<br>ladder                                    | 7.50        |             |
| Combination Ladder Co. and<br>Rhode Island Coupling Co.,<br>ladders, etc. | 205.00      |             |
| Knight & Thomas, extin-<br>guisher  | 22.00       |             |
| <i>Amounts carried forward</i>  | \$56,275.42 | \$57,388.65 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                | \$56,275.42 | \$57,388.65 |
| Braman, Dow & Co., steam fitting . . . . .      | 2.83        |             |
| T. F. McGann, brass balls . . . . .             | 3.00        |             |
| F. E. Cushing, painting . . . . .               | 6.65        |             |
| I. C. Ham, painting . . . . .                   | 1.00        |             |
| W. J. Logan, painting . . . . .                 | 26.63       |             |
| Fred Davis, whitening . . . . .                 | 35.00       |             |
| J. F. Burton, setting glass . . . . .           | 2.50        |             |
| J. Q. Twombly, painting . . . . .               | 9.66        |             |
| Daniel W. McDermott, setting glass . . . . .    | 1.25        |             |
| C. H. Alley, carpentering . . . . .             | 46.00       |             |
| Horace P. Ewell, carpentering . . . . .         | 2.63        |             |
| H. S. Brackett, carpentering . . . . .          | 35.68       |             |
| Belding Bros., carpentering . . . . .           | 7.00        |             |
| R. E. Lord, carpentering . . . . .              | 175.00      |             |
| A. M. Sibley, mason work . . . . .              | 3.30        |             |
| Everett P. Miers, repairing roof . . . . .      | 39.44       |             |
| Thomas McNee, repairs of building . . . . .     | 52.25       |             |
| William McDonald, wooden rollers . . . . .      | 39.55       |             |
| Archibald Wheel Co., wheels . . . . .           | 185.00      |             |
| Patrick Bowdren, grading . . . . .              | 35.00       |             |
| Thomas Groom & Co., stationery . . . . .        | 19.85       |             |
| William A. Greenough & Co., directory . . . . . | 3.00        |             |
| Somerville Journal Co., printing . . . . .      | 23.25       |             |
| Somerville Citizen Co., printing . . . . .      | 9.25        |             |
| F. O. Goodwin, premium of insurance . . . . .   | 3.00        |             |
| <i>Amounts carried forward</i> .                | \$57,043.14 | \$57,388.65 |

|  |             |                    |
|--|-------------|--------------------|
| <i>Amounts brought forward</i> .                                   | \$57,043.14 | \$57,388.65        |
| Frank A. Teele, premium of insurance . . . . .                     | 5.00        |                    |
| I. H. Wiley & Co., sponges .                                       | 49.53       |                    |
| New England Telephone & Telegraph Co., rentals and tolls . . . . . | 159.91      |                    |
| George T. Day, expressing .  | 28.55       |                    |
| Page & Co., expressing . .   | .50         |                    |
| American Express Co., expressing . . . . .                         | 6.90        |                    |
| Jackson Caldwell & Co., furniture, etc. . . . .                    | 66.75       |                    |
| Glines & Co., expressing .   | 2.25        |                    |
| Gilman's Express Co., expressing . . . . .                         | 7.37        |                    |
| E. R. Perham, expressing .   | 1.65        |                    |
| M. G. Staples, expressing .  | 2.00        |                    |
| Thorpe's Express, expressing .                                     | 1.25        |                    |
| E. E. Whitehouse, expressing .                                     | 1.85        |                    |
| George H. Towle, expressing .                                      | 3.00        |                    |
| Myers Putz Pomade Co., cream                                       | 9.00        |                    |
|  |             | <u>\$57,388.65</u> |

## FIRE DEPARTMENT, FIRE STATION CLARENDON HILL.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | \$15,000.00 |
|---|-------------|

## DEBIT.

|  |                    |
|--|--------------------|
| Cash, paid Loring & Phipps, services as architects . . . . . | \$ 350.00          |
| E. T. Merrill, on account of contract . . . . .              | 7,000.00           |
|  | <u>\$7,350.00</u>  |
| Balance to credit of account, 1899 . . . . .                 | 7,650.00           |
|  | <u>\$15,000.00</u> |

FIRE DEPARTMENT, FIRE STATION NO. 3, IMPROVE-  
MENT.

CREDIT.

|                             |         |
|-----------------------------|---------|
| Balance from 1897 . . . . . | \$52.00 |
|-----------------------------|---------|

DEBIT.

|  |         |
|--|---------|
| Excess and Deficiency, balance to credit of<br>account . . . . . | \$52.00 |
|--|---------|

FUNDED DEBT.

CREDIT.

|   |                |
|---|----------------|
| Balance from 1897 . . . . .   | \$1,548,000.00 |
| Cash, received from sale of City<br>Loan Bonds Nos. 2,365 to<br>2,515 . . . . . | \$151,000.00   |
| Sewer Loan Bonds Nos. 199<br>to 223 . . . . .                                   | 25,000.00      |
|   | <hr/>          |
|   | 176,000.00     |
|   | <hr/>          |
|   | \$1,724,000.00 |

DEBIT.

Cash, paid Sundry Persons :—

|  |             |
|--|-------------|
| City Loan Bonds Nos. 1,274 to<br>1,283 . . . . . | \$10,000.00 |
| City Loan Bonds Nos. 1,611 to<br>1,619 . . . . . | 9,000.00    |
| City Loan Bonds Nos. 1,772 to<br>1,790 . . . . . | 19,000.00   |
| City Loan Bonds Nos. 2,068 to<br>2,077 . . . . . | 10,000.00   |
| City Loan Bonds Nos. 2,223 to<br>2,233 . . . . . | 11,000.00   |
| City Loan Bonds Nos. 970 to<br>993 . . . . .     | 24,000.00   |
| City Loan Bonds Nos. 1,073 to<br>1,082 . . . . . | 10,000.00   |
| City Loan Bonds Nos. 1,131 to<br>1,134 . . . . . | 4,000.00    |

|                                  |             |                |
|----------------------------------|-------------|----------------|
| <i>Amounts carried forward .</i> | \$97,000.00 | \$1,724,000.00 |
|----------------------------------|-------------|----------------|



|   |              |                       |
|---|--------------|-----------------------|
| <i>Amounts brought forward</i> .                  | \$97,000.00  | \$1,724,000.00        |
| City Loan Bonds Nos. 1,189 to<br>1,195 . . . . .  | 7,000.00     |                       |
| City Loan Bonds Nos, 1,421 to<br>1,444 . . . . .  | 24,000.00    |                       |
| City Loan Bonds Nos, 1,284 to<br>1,293 . . . . .  | 10,000.00    |                       |
| Sewer Loan Bond No. 57 .                          | 1,000.00     |                       |
| Sewer Loan Bond No. 174 .                         | 1,000.00     |                       |
| Sewer Loan Bond No. 40 .                          | 1,000.00     |                       |
| Sewer Loan Bonds Nos. 82<br>to 85 . . . . .       | 4,000.00     |                       |
| City Loan Paving Bonds Nos.<br>26 to 30 . . . . . | 5,000.00     |                       |
| Water Loan Bonds Nos. 152<br>to 166 . . . . .     | 15,000.00    |                       |
| Water Loan Bond No. 287 .                         | 1,000.00     |                       |
| Water Loan Bond No. 349 .                         | 1,000.00     |                       |
| Water Loan Bonds Nos. 327<br>to 329 . . . . .     | 3,000.00     |                       |
| Water Loan Bonds Nos. 407<br>to 408 . . . . .     | 2,000.00     |                       |
|   | <hr/>        |                       |
|   | \$172,000.00 |                       |
| Balance to credit in account,<br>1899 . . . . .   | 1,552,000.00 |                       |
|   | <hr/>        |                       |
|   |              | <u>\$1,724,000.00</u> |

## HEALTH DEPARTMENT.

## CREDIT.

|   |          |             |
|---|----------|-------------|
| Appropriations, amount assessed . . . . .   |          | \$20,000.00 |
| Cash, received of Commonwealth<br>of Massachusetts, expenses<br>of contagious cases . . . . . | \$514.43 |             |
| Town of Amesbury, expenses<br>of contagious cases . . . . .                                   | 421.49   |             |
|   | <hr/>    | <hr/>       |
| <i>Amounts carried forward</i> .  | \$935.92 | \$20,000.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 139

|   |          |             |
|---|----------|-------------|
| <i>Amounts brought forward</i> .  | \$935.92 | \$20,000.00 |
| Hannibal S. Pond, offal .   | 600.00   |             |
| Henry Gray, horse . . .   | 25.00    |             |
| William P. Mitchell, permits<br>to keep swine and collect<br>grease . . . . . | 43.00    |             |
|   | <hr/>    | 1,603.92    |
|   |          | <hr/>       |
|   |          | \$21,603.92 |
| Excess and Deficiency, balance to debit of ac-<br>count . . . . .             |          | 3,416.88    |
|   |          | <hr/>       |
|   |          | \$25,020.80 |

DEBIT.

|  |             |             |
|--|-------------|-------------|
| Cash, paid Caleb A. Page, salary<br>as inspector . . . . . | \$ 1,200.00 |             |
| Disbursements . . . . .                                    | 92.85       |             |
| George W. S. Huse, salary as<br>superintendent . . . . .   | 900.00      |             |
| Laborers . . . . .   | 18,342.00   |             |
| Proctor Bros., hay and grain .                             | 2,531.64    |             |
| Welch & Hall, horses . . . .                               | 230.00      |             |
| Edward O'Brien, horseshoeing                               | 216.78      |             |
| Ira L. Roberts, horseshoeing .                             | 96.89       |             |
| M. E. Crouse, horseshoeing .                               | 77.13       |             |
| Charles F. Scott, horseshoe-<br>ing . . . . .              | 45.80       |             |
| D. J. Bennett, harness work .                              | 241.90      |             |
| Hill & Hill, harness work .                                | 46.57       |             |
| Charles M. Berry, fumigating                               | 59.25       |             |
| Melvin & Badger, regenerator,<br>etc. . . . .              | 73.30       |             |
| New England Vaccine Co.,<br>virus . . . . .                | 15.33       |             |
| John Fisher, offal tubs . . . .                            | 10.80       |             |
| Milton H. Plummer, pepper-<br>mint tubes . . . . .         | 16.80       |             |
|  | <hr/>       |             |
| <i>Amounts carried forward</i> .                           | \$24,197.04 | \$25,020.80 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                        | \$24,197.04 | \$25,020.80 |
| Breslin & Lohnes, repairs of<br>carts . . . . .         | 16.85       |             |
| A. S. Lohnes & Co., repairs of<br>carts . . . . .       | 41.00       |             |
| Hale & Mayhew Co., repairs<br>of carts . . . . .        | 8.00        |             |
| Charles L. Underhill, repairs<br>of carts . . . . .     | 141.43      |             |
| Julia Campbell, board . . . .                           | 20.00       |             |
| Mrs. M. L. Scott, nurse . . . .                         | 28.00       |             |
| Charles S. Robertson, premium<br>of insurance . . . . . | 50.00       |             |
| Horatio Wellington & Co.,<br>fuel . . . . .             | 11.00       |             |
| Wellington - Wild Coal Co.,<br>fuel . . . . .           | 4.75        |             |
| W. H. Way, veterinary ser-<br>vices . . . . .           | 18.00       |             |
| Thomas Groom & Co., sta-<br>tionery . . . . .           | 66.50       |             |
| T. S. Buck, stamps . . . . .                            | 4.35        |             |
| Clark, Brown & Co., oil . . . .                         | 1.20        |             |
| Massachusetts Oil Co., oil . . .                        | 8.55        |             |
| Belding Bros., lumber . . . . .                         | 4.50        |             |
| W. P. Rice, lumber . . . . .                            | 5.12        |             |
| Somerville Citizen Co., print-<br>ing . . . . .         | 72.75       |             |
| Somerville Journal Co., print-<br>ing . . . . .         | 121.25      |             |
| J. A. Durell, hardware . . . . .                        | 48.28       |             |
| Howe & Flint, hardware . . . .                          | .35         |             |
| Whitney & Snow, hardware . . .                          | 1.80        |             |
| Salshine Mfg. Co., polish . . . .                       | 2.00        |             |
| T. F. Crimmings, teaming . . . .                        | 20.00       |             |
| George W. Prichard, teaming . . .                       | 6.00        |             |
| <i>Amounts carried forward</i> .                        | \$24,898.72 | \$25,020.80 |

|   |             |                    |
|---|-------------|--------------------|
| <i>Amounts brought forward</i>                          | \$24,898.72 | \$25,020.80        |
| T. Allen, teaming                                       | 10.00       |                    |
| Charles Booth, teaming                                  | 20.00       |                    |
| J. H. Thompson, carriage hire                           | 5.00        |                    |
| City of Boston, water                                   | 15.40       |                    |
| City of Somerville, water                               | 29.26       |                    |
| Somerville Electric Light Co.,<br>lighting              | 27.52       |                    |
| Marshall St. Pharmacy, expres-<br>sing                  | 1.65        |                    |
| Frederic W. Cook, commission<br>as justice of the peace | 7.00        |                    |
| H. A. Thomas, rent of P. O.<br>box                      | 4.00        |                    |
| F. D. Weld, ladder                                      | 2.25        |                    |
|   |             | <u>\$25,020.80</u> |

## HIGHWAYS.

## CREDIT.

|  |          |             |
|--|----------|-------------|
| Appropriations, amount assessed  |          | \$65,000.00 |
| Cash, received of Metropolitan<br>Water Board, repairs of<br>Chauncey avenue, etc. | \$322.37 |             |
| Commonwealth of Massachu-<br>setts, labor  | 147.00   |             |
| City of Waltham, taxes re-<br>funded   | 237.91   |             |
| H. A. Hanscom, use of roller   | 15.00    |             |
| Thomas Ormond, rent  | 72.00    |             |
| Arthur Murley, rent  | 64.00    |             |
| William P. Mitchell, labor on<br>driveway  | 4.25     |             |
| C. A. Lowell, labor on drive-<br>way   | 6.75     |             |
| George Wildes, driveway  | 24.00    |             |
| Aaron H. Patten, labor on<br>driveway  | 4.80     |             |
| <i>Amounts carried forward</i>   | \$898.08 | \$65,000.00 |



|   |          |             |
|---|----------|-------------|
| <i>Amounts brought forward</i> .                                | \$898.08 | \$65,000.00 |
| L. A. Woodward, labor on driveway . . . . .                     | 8.50     |             |
| Israel P. Rice, labor on driveway . . . . .                     | 11.25    |             |
| Henry L. Granstein, labor on driveway . . . . .                 | 7.90     |             |
| B. F. Freeman, labor on driveway . . . . .                      | 4.25     |             |
| Charles W. Keeler, crushed stone . . . . .                      | 3.00     |             |
| W. A. Murtfeldt Co., crushed stone . . . . .                    | 35.84    |             |
| W. L. Glidden, sidewalk . . . . .                               | 62.84    |             |
| J. W. Russell, manure . . . . .                                 | 92.50    |             |
| Charlestown Gas & Electric Co., paving . . . . .                | 47.25    |             |
| Sidewalks account, teaming, materials, etc. . . . .             | 3,055.43 |             |
| Public Grounds account, crushed stone . . . . .                 | 45.00    |             |
| Schoolhouse, Spring Hill District account, edgestones . . . . . | 37.59    |             |
| Public grounds, Lincoln Park account, crushed stone . . . . .   | 52.20    |             |
| Sewers, construction account, labor . . . . .                   | 6.50     |             |
| Watering Streets account, painting carts . . . . .              | 12.00    |             |
| M. F. Underwood, labor . . . . .                                | 4.00     |             |
|   | <hr/>    | 4,384.13    |
|   |          | <hr/>       |
|   |          | \$69,384.13 |

## DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid laborers' pay rolls . . . . .                        | \$42,492.75 |             |
| John P. Prichard, salary as superintendent of streets . . . . . | 1,600.00    |             |
|   | <hr/>       |             |
| <i>Amounts carried forward</i> . . . . .                        | \$44,092.75 | \$69,384.13 |

|   |                   |                   |
|---|-------------------|-------------------|
| <i>Amounts brought forward</i> .  | \$44,092.75       | \$69,384.13       |
| Disbursements . . . . .   | 6.38              |                   |
| F. J. Stanley, board of super-<br>intendent's horse . . . .                           | 209.63            |                   |
| Eugene Mead, board of super-<br>intendent's horse, etc. . .                           | 66.28             |                   |
| N. E. Fitz & Co., Wharfage .  | 147.20            |                   |
| City of Medford, one-half cost<br>of maintaining Middlesex<br>avenue bridge . . . . . | 695.56            |                   |
| Town of Wakefield, taxes .  | 17.46             |                   |
| Harrison Mitchell, round stone  | 1,137.70          |                   |
| Dennis Shea, round stone .  | 257.40            |                   |
| S. & R. J. Lombard, paving<br>blocks . . . . .  | 2,135.97          |                   |
| McIntosh & Parker, paving<br>blocks . . . . .   | 182.40            |                   |
| Sweatt & Gould, flagging .  | 13.66             |                   |
| John Regan, stone . . . .   | 17.19             |                   |
| George Carter, stone . . .  | 2.82              |                   |
| Mr. Bibieault, stone . . .  | 5.64              |                   |
| William Dacy, stone . . . .   | 27.36             |                   |
| William H. Haynes, stone .  | 89.07             |                   |
| A. Kennedy, stone . . . .   | 160.47            |                   |
| P. Leonard, stone . . . .   | 26.19             |                   |
| Frank McDermott, stone .  | 7.44              |                   |
| Herbert Nichols, stone . .  | 22.86             |                   |
| Joseph Onletts, stone . . .   | 8.13              |                   |
| J. O'Keefe, stone . . . . .   | 35.07             |                   |
| Manuel Petit, stone . . . .   | 7.86              |                   |
| E. B. Parker, stone . . . .   | 21.84             |                   |
| B. Pettie, stone . . . . .  | 4.89              |                   |
| J. M. Riley, stone . . . . .  | 6.60              |                   |
| John Siggins, stone . . . .   | 51.12             |                   |
| Hugh Harney, stone . . . .  | 45.12             |                   |
| A. Fitch, stone . . . . .   | 54.87             |                   |
| <i>Amounts carried forward</i> .  | <hr/> \$49,556.93 | <hr/> \$69,384.13 |

|                                |             |             |
|--------------------------------|-------------|-------------|
| <i>Amounts brought forward</i> | \$49,556.93 | \$69,384.13 |
| N. Grenier, stone              | 192.27      |             |
| T. B. Munroe, stone            | 60.00       |             |
| Frank A. Teele, stone          | 18.66       |             |
| Curley & Callahan, stone       | 170.05      |             |
| T. A. Callahan, stone          | 5.28        |             |
| T. R. Howard, stone            | 78.72       |             |
| J. Parento, stone              | 5.07        |             |
| W. McCarthy, stone             | 367.74      |             |
| D. F. Conologue, stone         | 138.75      |             |
| Charles T. Shean, stone        | 4.11        |             |
| Mary T. Shean, stone           | 66.42       |             |
| John Wilson, stone             | 9.51        |             |
| Frank Buttimer, stone          | 682.69      |             |
| Charles Booth, stone           | 74.29       |             |
| Dennis O'Keefe, stone          | 124.47      |             |
| H. A. Hanscom & Co., stone     | 14.46       |             |
| Timothy O'Keefe, stone         | 1,104.07    |             |
| Charles B. Russell, stone      | 7.66        |             |
| P. McDermott, stone            | 12.00       |             |
| John Gray, stone               | 30.15       |             |
| William H. Lennox, stone       | 777.99      |             |
| J. Connors, stone              | 795.06      |             |
| Colman Bros., crushed stone    | 2,354.31    |             |
| Portland Stoneware Co., brick  | 166.48      |             |
| W. A. Sanborn, brick           | 492.86      |             |
| Thomas Casey, brick            | 39.30       |             |
| Brassel & Doody, gravel        | 440.95      |             |
| Luke Kilroy, gravel            | 40.00       |             |
| R. E. Lord, gravel             | 126.60      |             |
| Edson Mfg. Co., brooms         | 17.00       |             |
| Highland Coal Co., cement      | 2.25        |             |
| W. G. Nash, cement             | 22.50       |             |
| Boston Paving Co., cinders     | 5.10        |             |
| Stone & Timlow, ashes          | 13.00       |             |
| Leonard & Ellis, oil           | 55.88       |             |
| <i>Amounts carried forward</i> | \$58,072.58 | \$69,384.13 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                       | \$58,072.58 | \$69,384.13 |
| Massachusetts Oil Co., oil .                           | 6.25        |             |
| W. P. Phillips & Co., lubricator . . . . .             | 6.00        |             |
| D. Sutherland & Co., oil .                             | 50.25       |             |
| A. A. Sanborn, waste . . .                             | 10.75       |             |
| Farrell Foundry & Machine Co., bearings . . . . .      | 8.00        |             |
| Roberts Iron Works Co., smoke pipe . . . . .           | 27.81       |             |
| Holmes & Blanchard Co., repairing crusher . . . . .    | 2.00        |             |
| S. C. Nightingale & Childs, repairing roller . . . . . | 3.00        |             |
| Walworth Mfg. Co., repairing roller . . . . .          | 63.67       |             |
| American Tube Works, repairing roller . . . . .        | 1.71        |             |
| William G. Oastler, repairing roller . . . . .         | 13.00       |             |
| Miller & Shaw, repairing roller . . . . .              | 9.51        |             |
| Boston Belting Co., belts .                            | 3.78        |             |
| Henry C. Hunt & Co., lacings                           | 10.79       |             |
| Taylor Iron & Steel Co., crusher jaws . . . . .        | 103.50      |             |
| Willis E. Allen, blacksmithing                         | 25.00       |             |
| Hale & Mayhew Co., repairing carts . . . . .           | 101.65      |             |
| Good Roads Machine Co., repairing carts . . . . .      | 33.00       |             |
| C. L. Underhill, repairing wagon . . . . .             | 2.00        |             |
| Armington & Sims Co., repairing crusher . . . . .      | 25.14       |             |
| E. S. Sparrow & Co., hardware                          | 66.28       |             |
| <i>Amounts carried forward</i> .                       | \$58,645.67 | \$69,384.13 |



|                                       |             |             |
|---------------------------------------|-------------|-------------|
| <i>Amounts brought forward</i>        | \$58,645.67 | \$69,384.13 |
| W. L. Snow, hardware                  | 11.80       |             |
| Underhill Hardware Co., hardware      | 44.89       |             |
| Whitney & Snow, hardware              | 194.86      |             |
| W. B. Holmes, hardware                | 1.28        |             |
| Powers & Co., hay and grain           | 343.28      |             |
| Nathan Tufts & Sons, grain            | 1,450.75    |             |
| Fulton O'Brion, hay and grain         | 506.63      |             |
| Lord & Webster, hay and grain         | 1,870.69    |             |
| John S. Williams, harness work        | 183.97      |             |
| John Cutter, harness work             | 87.80       |             |
| D. McDonald, harness work             | 16.95       |             |
| T. J. Macneill, harness work          | 1.30        |             |
| P. Flynn, harness work                | .50         |             |
| H. Wellington & Co., fuel             | 213.68      |             |
| Wellington - Wild Coal Co., fuel      | 526.13      |             |
| A. Clement, horseshoeing              | 109.21      |             |
| G. McDormand, horseshoeing            | 149.40      |             |
| Charles F. Scott, horseshoeing        | 89.56       |             |
| William Buckley, horseshoeing         | 111.10      |             |
| Seward Dodge, horseshoeing            | 17.76       |             |
| Edward O'Brien, horseshoeing          | 285.14      |             |
| John Runey, horseshoeing              | 6.15        |             |
| J. B. Reilly, horseshoeing            | 5.15        |             |
| Charles Parker & Co., iron            | 9.38        |             |
| Oliver Whyte & Co., iron              | 5.50        |             |
| Armstrong Bros., pipe                 | 3.45        |             |
| Ingersoll-Sergeant Drill Co., weights | 6.50        |             |
| Steel & Condict, saw plates           | 42.23       |             |
| Charles A. Claffin, packing           | 23.30       |             |
| T. Allen, concreting                  | 83.40       |             |
| F. E. Merrill, drainer                | 25.00       |             |
| Medford Moulding & Machine Co., signs | .50         |             |
| <i>Amounts carried forward</i>        | \$65,072.91 | \$69,384.13 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                    | \$65,072.91 | \$69,384.13 |
| C. S. Rawson, signs . . .                           | 5.00        |             |
| James Rawson, signs . . .                           | 119.51      |             |
| George W. Pennie, signs . . .                       | 39.84       |             |
| Rutan & Woods, carpentering . . .                   | 60.00       |             |
| A. M. Wood & Co., lumber . . .                      | 213.53      |             |
| F. C. Ayer, lumber . . .                            | 172.08      |             |
| T. E. Littlefield, lumber . . .                     | 1.61        |             |
| James F. Davlin, repairing<br>fountains . . . . .   | 30.03       |             |
| Donnelly & Co., plumbing . . .                      | 24.20       |             |
| Howe & Flint, plumbing . . .                        | 12.11       |             |
| George T. Tibbetts, iron pipe . . .                 | 4.68        |             |
| Braman, Dow & Co., pipe . . .                       | 21.30       |             |
| W. E. Plumer & Co., hard-<br>ware . . . . .         | 80.47       |             |
| Ames Plough Co., tools . . .                        | 33.29       |             |
| Boston Bolt Co., tools . . .                        | .70         |             |
| A. W. Isele & Sons, tools . . .                     | 21.63       |             |
| A. F. Carpenter, salt . . .                         | 1.85        |             |
| Charles A. Small & Co.,<br>vinegar . . . . .        | 2.15        |             |
| George E. Ricker, refreshments . . .                | 6.00        |             |
| H. Wood, filing saws . . .                          | 14.65       |             |
| Louis E. Merry, curbing . . .                       | 45.00       |             |
| W. A. Murtfeldt Co., curbing . . .                  | 9.10        |             |
| Thomas Groom & Co., station-<br>ery . . . . .       | 61.55       |             |
| Walter W. Field, repairing<br>engine . . . . .      | 2.41        |             |
| Ashton Valve Co., rods, etc. . .                    | 10.80       |             |
| J. F. Downing, repairing fence . . .                | 27.09       |             |
| C. A. Carlisle, Pope & Co.,<br>window, etc. . . . . | 4.30        |             |
| New York Insulated Wire Co.,<br>wire . . . . .      | 8.33        |             |
| <i>Amounts carried forward</i> .                    | \$66,106.12 | \$69,384.13 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .   | \$66,106.12 | \$69,384.13 |
| C. S. Knowles, wire . . . . .  | 9.55        |             |
| Pettingell-Andrews Co., wire .   | 11.37       |             |
| Reed & McGaffigan, whiffletree   | 1.50        |             |
| M. T. Underwood, labor on<br>wires . . . . .   | 14.00       |             |
| Thomas Hollis & Co., sulphur   | 9.40        |             |
| Joan D. Garth, compensation<br>for damages . . . . .                                 | 500.00      |             |
| New England Telephone and<br>Telegraph Co., rentals and<br>tolls . . . . .           | 48.52       |             |
| Somerville Electric Light Co.,<br>lighting . . . . .                                 | 53.18       |             |
| City of Boston, water . . . .  | 15.40       |             |
| City of Somerville, water . .  | 174.70      |             |
| I. H. Wiley & Co., paint . . . .   | 47.47       |             |
| T. A. Sallaway, paint . . . . .  | 33.53       |             |
| Somerville Citizen Co., adver-<br>tising . . . . .                                   | 47.00       |             |
| Somerville Journal Co., adver-<br>tising . . . . .                                   | 142.00      |             |
| Boston Herald Co., advertising   | 9.39        |             |
| Globe Newspaper Co., adver-<br>tising . . . . .                                      | 9.15        |             |
| Charles S. Robertson, premium<br>of insurance . . . . .                              | 90.00       |             |
| Frank J. Hamblin, premium of<br>insurance . . . . .                                  | 50.00       |             |
| Hartford Steam Boiler Inspec-<br>tion and Insurance Co.,<br>premium of insurance . . | 50.00       |             |
| Spencer & Co., stamps . . . .  | 2.00        |             |
| T. F. Crimmings, teaming . . .   | 54.00       |             |
| Martin Gill & Son, teaming . .   | 216.75      |             |
| I. L. Smith, weighing stone . .  | 15.75       |             |
| <i>Amounts carried forward</i> .   | \$67,710.78 | \$69,384.13 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 149

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                                      | \$67,710.78 | \$69,384.13 |
| J. W. Howard, plants . . .  | 11.40       |             |
| W. H. Hitchings, veterinary services . . . . .                        | 58.00       |             |
| Herbert E. Bowman, drugs .  | 4.41        |             |
| Charles H. Paine, drugs .   | 5.00        |             |
| Victor Oil Co., horse . . .   | 150.00      |             |
| Welch & Hall, horses . . .  | 272.50      |             |
| Esau Cooper, horses . . .   | 212.50      |             |
| F. D. Weld, flagstaff, etc. .   | 24.30       |             |
| George O. W. Servis, photographs . . . . .                            | .75         |             |
| Gilman's Express Co., expressing . . . . .                            | 3.77        |             |
| Glines & Co., expressing .  | .25         |             |
| George T. Day, expressing .   | .80         |             |
| E. R. Perham, expressing .  | 11.10       |             |
| American Express Co., expressing . . . . .                            | 2.60        |             |
| Water Maintenance account, labor . . . . .                            | 19.18       |             |
| Support of Poor account, labor  | 212.00      |             |
| Sidewalks account, edgestones   | 7.57        |             |
| Schoolhouse Incidentals account, sand . . . . .                       | 50.00       |             |
| Sewers, Construction account, recording releases . . .                | 4.10        |             |
|   | <hr/>       |             |
|   | \$68,761.01 |             |
| Highways, Subway at Kent street account, amount transferred . . . . . | 99.65       |             |
| Sidewalks account, amount transferred . . . . .                       | 167.41      |             |
|   | <hr/>       |             |
|   | \$69,028.07 |             |
| Excess and Deficiency, balance to credit of account . . .             | 356.06      |             |
|   | <hr/>       |             |
|   |             | \$69,384.13 |



# HIGHWAYS, PAVING SOMERVILLE AVENUE FROM PARK STREET, WESTERLY.

## CREDIT.

|                             |          |
|-----------------------------|----------|
| Balance from 1897 . . . . . | \$466.28 |
|-----------------------------|----------|

## DEBIT.

|   |  |          |
|---|--|----------|
| Cash, paid Soule, Dillingham &<br>Co., final payment for paving<br>Highways. Paving Webster<br>Avenue, Fitchburg Railroad<br>to Cambridge Line account,<br>amount transferred . . . . . | \$209.68<br><br><br><br><br><br><br><br><br><br>256.60 |          |
|   | <hr/>  | \$466.28 |

# HIGHWAYS, PAVING WEBSTER AVENUE FROM FITCH- BURG RAILROAD TO CAMBRIDGE LINE.

## CREDIT.

|  |            |
|--|------------|
| Appropriations, amount appropriated by borrow-<br>ing on Funded Debt account . . . . .                       | \$7,000.00 |
| Highways, Paving Somerville Avenue from Park<br>Street, westerly, account, amount trans-<br>ferred . . . . . | 256.60     |
| Cash, received of Sidewalk account, edgestones   | 30.35      |
|  | <hr/>      |
|  | \$7,286.95 |

## DEBIT.

|   |            |            |
|---|------------|------------|
| Cash, paid laborers . . . . .                                 | \$ 161.41  |            |
| Patrick McGovern, on account<br>of contract . . . . .         | 3,607.38   |            |
| S. & R. J. Lombard, paving<br>blocks and edgestones . . . . . | 3,264.91   |            |
|   | <hr/>      |            |
|   | \$7,033.70 |            |
| Balance to credit of account, 1899                            | 253.25     |            |
|   | <hr/>      | \$7,286.95 |

## HIGHWAYS, SUBWAY AT KENT STREET.

## CREDIT.

|   |          |
|---|----------|
| Balance from 1897 . . . . .   | \$257.99 |
| Highways, Subway at Sacramento Street account, amount transferred . . . . . | 49.16    |
| Highways account, amount transferred . . . . .                              | 99.65    |
|   | <hr/>    |
|   | \$406.80 |

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid Holbrook, Cabot & Daley, balance of contract . . . . . | \$406.80    |
|   | <hr/> <hr/> |

## HIGHWAYS, SUBWAY AT SACRAMENTO STREET.

## CREDIT.

|                             |          |
|-----------------------------|----------|
| Balance from 1897 . . . . . | \$561.50 |
|-----------------------------|----------|

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid Holbrook, Cabot & Daley, balance of contract . . . . .     | \$512.34    |
| Highways, Subway at Kent Street account, amount transferred . . . . . | 49.16       |
|   | <hr/>       |
|   | \$561.50    |
|   | <hr/> <hr/> |

## HIGHWAYS, STEAM ROAD ROLLER.

## CREDIT.

|   |            |
|---|------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | \$3,500.00 |
|---|------------|

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid Buffalo Pitts Co., steam road roller . . . . .     | \$3,190.00  |
| Excess and Deficiency, balance to credit of account . . . . . | 310.00      |
|   | <hr/>       |
|   | \$3,500.00  |
|   | <hr/> <hr/> |

## INDIGENT SOLDIERS AND SAILORS.

## CREDIT.

|   |          |          |
|---|----------|----------|
| Appropriations, amount assessed . . . . .                       | \$400.00 |          |
| State of Massachusetts, Indigent Soldiers and Sailors . . . . . | 269.00   |          |
|   |          | <hr/>    |
|   |          | \$669.00 |

## DEBIT.

|   |          |          |
|---|----------|----------|
| Cash, paid Sundry Persons as per pay rolls . . . . .          | \$538.00 |          |
| Excess and Deficiency, balance to credit of account . . . . . | 131.00   |          |
|   |          | <hr/>    |
|   |          | \$669.00 |

## INTEREST.

## CREDIT.

|   |             |             |
|---|-------------|-------------|
| Appropriations, amount assessed . . . . .                           | \$80,000.00 |             |
| Cash, received of Sundry Persons on taxes and assessments . . . . . | \$11,889.45 |             |
| Interest on deposit in banks . . . . .                              | 1,329.42    |             |
| Interest on tax titles released . . . . .                           | 96.67       |             |
|   |             | <hr/>       |
|   |             | 13,315.54   |
|   |             | <hr/>       |
|   |             | \$93,315.54 |

## DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid on Funded Debt:—                     |             |             |
| \$1,069,000.00 one year at 4 per cent. . . . .  | \$42,760.00 |             |
| \$121,000.00, six months at 4 per cent. . . . . | 2,420.00    |             |
| \$175,000.00, one year at 4½ per cent. . . . .  | 7,875.00    |             |
|   |             | <hr/>       |
|   | \$53,055.00 |             |
| Less coupons unpaid . . . . .                   | 20,530.00   |             |
|   |             | <hr/>       |
| <i>Amounts carried forward</i> . . . . .        | \$32,525.00 | \$93,315.54 |

|                                  |             |             |
|----------------------------------|-------------|-------------|
| <i>Amounts brought forward</i> . | \$32,525.00 | \$93,315.54 |
| Sundry Persons, unpaid coupons   | 20,530.00   |             |

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\$53,055.00

## On Temporary Loans:—

The Boston Five Cents Savings Bank, on note of \$150,000.00, six months at 3½ per cent., interest payable at maturity . . . . . 2,625.00

Estabrook & Co., on notes of \$200,000.00, two months, eighteen days, discounted at 4⅞ per cent. . . . . 2,112.50

Estabrook & Co., on notes of \$200,000.00, four months, sixteen days, discounted at 3.05 per cent. . . . . 2,302.44

Blake Bros. & Co., on note of \$50,000.00, four months, discounted at 2.63 per cent. . . . . 438.33

Blake Bros. & Co., on note of \$100,000.00, six months, discounted at 2.93 per cent. . . . . 1,465.00

The Boston Five Cents Savings Bank, on note of \$150,000.00, eight months at 4½ per cent., interest payable at maturity . . . . . 4,500.00

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\$13,443.27

On Funded Debt . . . . . 53,055.00

On Temporary Loans . . . . . 13,443.27

Miscellaneous account, amount transferred . . . . . 5,000.00

Printing and Stationery account, amount transferred . . . . . 1,500.00

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|                                  |             |             |
|----------------------------------|-------------|-------------|
| <i>Amounts carried forward</i> . | \$72,998.27 | \$93,315.54 |
|----------------------------------|-------------|-------------|



|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .   | \$72,998.27 | \$93,315.54 |
| Relief and Burial of Indigent<br>Soldiers and Sailors account,<br>amount transferred . . . | 2,000.00    |             |
| Support of Poor account,<br>amount transferred . . .                                       | 3,000.00    |             |
| Sewers, Maintenance account,<br>amount transferred . . .                                   | 300.00      |             |
| Public Grounds account,<br>amount transferred . . .  | 400.00      |             |
| Excess and Deficiency, balance<br>to credit of account . . .                               | 14,617.27   |             |
|  | <hr/>       | <hr/> <hr/> |
|  |             | \$93,315.54 |

## MISCELLANEOUS.

## CREDIT.

|  |             |
|--|-------------|
| Appropriations, amount assessed . . .      | \$9,000.00  |
| Interest account, amount transferred . . . | 5,000.00    |
|  | <hr/>       |
|  | \$14,000.00 |

|  |            |             |
|--|------------|-------------|
| Cash, received of Sundry Per-<br>sons, costs on taxes and<br>assessments . . . | \$3,290.44 |             |
| On tax titles released . . .   | 15.00      |             |
| John H. Dusseault, fees for<br>sealing weights and meas-<br>ures . . .         | 303.93     |             |
| C. S. Philbrick, milk inspector  | 120.00     |             |
| F. C. Fuller, plumbers' li-<br>censes . . .                                    | 33.00      |             |
| Fulton O'Brion, public weigher   | 13.30      |             |
| Aristides Triolacis, license to<br>peddle . . .                                | 25.00      |             |
| Nathan Ragovin, license to<br>peddle . . .                                     | 25.00      |             |
| Frank Immusa, license to<br>peddle . . .                                       | 25.00      |             |
|  | <hr/>      | <hr/>       |
| <i>Amounts carried forward</i> .   | \$3,850.67 | \$14,000.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 155

|  |                |             |
|--|----------------|-------------|
| <i>Amounts brought forward</i> .   | \$3,850.67     | \$14,000.00 |
| Tony Cianciolo, license to peddle . . . . .                                      | 25.00          |             |
| William Smith, error in pay roll . . . . .                                       | 1.00           |             |
| C. E. Grew, old furniture .  | 5.75           |             |
| Architectural Wood Working Co., costs on trustee's suit .                        | 1.82           |             |
| Printing and stationery account, maps . . . . .                                  | 28.00          |             |
| Sundry Persons, druggists' licenses . . . . .                                    | 22.00          |             |
| George I. Vincent, city clerk:—  |                |             |
| Recording mortgages, \$499.50  |                |             |
| Marriage certificates, 283.50  |                |             |
| Licensing dogs, 229.60   |                |             |
| Amusements, 118.00   |                |             |
| Junk licenses, 74.00   |                |             |
| Auctioneers' licenses, 40.00   |                |             |
| Intelligence offices, 18.00  |                |             |
| Billiards and pool, 44.00  |                |             |
| Fireworks, 81.00   |                |             |
| Slaughtering, 3.00   |                |             |
| Copies of records, 30.75   |                |             |
| Street musicians, 19.50  |                |             |
| Private detectives, 30.00  |                |             |
| Liquor licenses, 22.00   |                |             |
| Night lunch, 2.00  |                |             |
|  | <hr/> 1,494.85 | 5,429.09    |
|  |                | <hr/>       |
|  |                | \$19,429.09 |
| DEBIT.   |                |             |
| Cash, paid John H. Dusseault, salary as sealer of weights and measures . . . . . | \$426.30       |             |
| Disbursements . . . . .  | 7.50           |             |
|  | <hr/>          | <hr/>       |
| <i>Amounts carried forward</i> .   | \$433.80       | \$19,429.09 |

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .                | \$433.80   | \$19,429.09 |
| Mabel L. Dadmun, clerical services . . . . .    | 206.67     |             |
| Florence M. Grow, clerical services . . . . .   | 417.36     |             |
| Mabel Olmstead, clerical services . . . . .     | 226.02     |             |
| Mary A. Sleeper, clerical services . . . . .    | 419.36     |             |
| Alice M. Vincent, clerical services . . . . .   | 342.69     |             |
| Luella M. Eaton, clerical services . . . . .    | 24.00      |             |
| Winifred P. Briggs, clerical services . . . . . | 108.00     |             |
| Susan L. Briggs, clerical services . . . . .    | 118.01     |             |
| Inez M. Felt, clerical services .               | 124.01     |             |
| Gertrude F. Gray, clerical services . . . . .   | 136.01     |             |
| Lizzie L. Hill, clerical services . . . . .     | 118.67     |             |
| Nannie M. Sargent, clerical services . . . . .  | 138.67     |             |
| Sarah J. Lamont, clerical services . . . . .    | 72.00      |             |
| Amy L. Hamlet, clerical services . . . . .      | 64.01      |             |
| Arthur Atwood, clerical services . . . . .      | 70.00      |             |
| Albert C. Adams, clerical services . . . . .    | 70.00      |             |
| Freeman L. Lowell, clerical services . . . . .  | 70.00      |             |
| Charles E. Davis, clerical services . . . . .   | 13.62      |             |
| <i>Amounts carried forward</i> .                | \$3,172.90 | \$19,429.09 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .                         | \$3,172.90 | \$19,429.09 |
| Frank E. Merrill, clerical services . . . . .            | 54.00      |             |
| Charles G. Brett, clerical services . . . . .            | 42.00      |             |
| Frederic W. Cook, clerical services . . . . .            | 42.00      |             |
| Charles S. Robertson, clerical services . . . . .        | 45.00      |             |
| William P. Mitchell, clerical services . . . . .         | 13.00      |             |
| C. Ernest Griffin, clerical services . . . . .           | 3.00       |             |
| George H. Griffin, watchman .                            | 62.00      |             |
| Stephen J. Jackman, janitor of city hall annex . . . . . | 420.00     |             |
| E. A. Drown & Co., gas fixtures . . . . .                | 12.95      |             |
| George H. Dodd, teaming .                                | 102.00     |             |
| Smith & Anthony Co., steam fitting . . . . .             | 41.60      |             |
| A. A. Sanborn, steam fitting .                           | 12.55      |             |
| Somerville Journal Co., printing . . . . .               | 7.35       |             |
| Somerville Citizen Co., printing . . . . .               | 5.60       |             |
| Thomas W. Gleeson, batteries                             | 6.25       |             |
| Pettingell-Andrews Co., electrical supplies . . . . .    | 15.87      |             |
| M. F. Underwood, electrical supplies . . . . .           | 1.50       |             |
| Greenwood & Co., brushes, etc. . . . .                   | 8 96       |             |
| Jordan & Christie, brushes, etc. . . . .                 | 19.00      |             |
| Jordan, Marsh & Co., cloth .                             | 1.00       |             |
| <i>Amounts carried forward</i> .                         | \$4,088.53 | \$19,429.09 |



|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .   | \$4,088.53 | \$19,429.09 |
| M. A. Mann, laundering .   | 27.00      |             |
| Boston Nickel Plating Co.,<br>plating . . . . .                                  | 10.50      |             |
| Commonwealth of Massachu-<br>setts, 25 per cent. of liquor<br>licenses . . . . . | 5.00       |             |
| Byron Boyd, abstracts . . .  | 24.00      |             |
| E. O. Childs, recording . . .  | 48.80      |             |
| Simon Connor, rent of hall .   | 165.00     |             |
| Odd Fellows Building Asso-<br>ciation, rent of hall . . .                        | 30.00      |             |
| Warren E. Locke, rent of hall  | 14.00      |             |
| Philip Eberle, rent of hall .  | 25.00      |             |
| Derby Desk Co., repairs of<br>ballot boxes . . . . .                             | 4.25       |             |
| Robert S. Robson, inspecting<br>ballot boxes . . . . .                           | 23.00      |             |
| O. S. Merry, repairs of flag .   | 5.75       |             |
| F. D. Weld, repairing flagstaff  | 10.25      |             |
| Ezra E. Reed, labor on flagstaff   | 13.00      |             |
| Boston Spar Co., flagstaff .   | 88.00      |             |
| E. S. Sibley, repairs . . . .  | .35        |             |
| B. F. Wild & Co., fuel . . . .   | 361.15     |             |
| Wellington-Wild Coal Co., fuel   | 302.03     |             |
| City of Boston, water . . . .  | 27.86      |             |
| City of Somerville, water . .  | 60.98      |             |
| Cambridge Gaslight Co., gas .  | 21.85      |             |
| Somerville Electric Light Co.,<br>lighting . . . . .                             | 842.19     |             |
| Cambridge Ice Co., ice . . . .   | 63.95      |             |
| Fresh Pond Ice Co., ice . . .  | 72.30      |             |
| H. S. Garcelon, telephone . .  | 4.75       |             |
| New England Telephone and<br>Telegraph Co., rentals and<br>tolls . . . . .       | 584.42     |             |
| <i>Amounts carried forward</i> .   | \$6,923.91 | \$19,429.09 |

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .  | \$6,923.91 | \$19,429.09 |
| Jackson Caldwell & Co., furni-<br>ture . . . . .  | 6.87       |             |
| S. W. Allen & Co., furniture .  | 47.69      |             |
| Murdock Parlor Grate Co., sign  | 55.00      |             |
| Hatch & Farnum, boxes . . .   | 18.00      |             |
| Office Specialty Mfg. Co., in-<br>dex cabinet and cards . . .                             | 350.00     |             |
| Eugene Mead, carriage hire .  | 60.00      |             |
| J. H. Thompson, carriage hire   | 20.00      |             |
| Howard, Lowell & Son, car-<br>riage hire . . . . .  | 13.00      |             |
| L. H. Brown, carriage hire . .  | 260.00     |             |
| A. H. Strahan, ringing bell .   | 12.00      |             |
| Everett A. Maynard, ringing<br>bell . . . . .   | 12.00      |             |
| George W. Littlefield, ringing<br>bell . . . . .  | 9.00       |             |
| Charles A. Earle, ringing bell  | 12.00      |             |
| J. H. Colbath, ringing bell . .   | 12.00      |             |
| L. H. Knowles, ringing bell . .   | 12.00      |             |
| George Stephens, Jr., ringing<br>chimes . . . . .   | 16.00      |             |
| Frank W. Kaan, disburse-<br>ments . . . . .   | 130.73     |             |
| Frank W. Kaan, office ex-<br>penses . . . . .   | 150.00     |             |
| Somerville Fourth of July As-<br>sociation, contribution . . .                            | 100.00     |             |
| Willard C. Kinsley Post, 139,<br>G. A. R., contribution for<br>observance of Memorial Day | 400.00     |             |
| Co. M, 8th Regt., M. V. M.,<br>contribution for rifle practice                            | 250.00     |             |
| Co. M, 8th Regt., M. V. M.,<br>reimbursements for services                                | 500.00     |             |
| <i>Amounts carried forward</i> .  | \$9,370.20 | \$19,429.09 |

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|---|-------------|-------------|
| <i>Amounts brought forward</i> .  | \$9,370.20  | \$19,429.09 |
| Co. M, 8th Regt., clothing .  | 106.40      |             |
| Hosmer, Coddling & Co., shoes<br>for Co. M, 8th Regt., M.<br>V. M. . . . .          | 150.00      |             |
| Hawley, Folsom & Ronimus,<br>supplies for Co. M, Eighth<br>Regiment, M. V. M. . . . | 346.19      |             |
| H. Wood, keys . . . . .   | 4.85        |             |
| C. W. Coy, fireworks . . . .  | 11.50       |             |
| John H. Adcock, plumbing . .  | 50.76       |             |
| James F. Davlin, plumbing . .   | 33.22       |             |
| George W. Tibbetts, plumbing .  | 1.15        |             |
| Howe & Flint, plumbing . . .  | 14.88       |             |
| W. E. Plumer & Co., hard-<br>ware . . . . .   | 4.22        |             |
| Underhill Hardware Co., hard-<br>ware . . . . .                                     | 33.67       |             |
| Charles L. Underhill, black-<br>smithing . . . . .                                  | 21.95       |             |
| Whitney & Snow, hardware . .  | 97.12       |             |
| Alfred H. Hines, mason work .   | 140.75      |             |
| F. J. Stanley, board of horses .  | 545.75      |             |
| William Buckley, horseshoeing .   | 42.38       |             |
| J. T. Macneill, harness work .  | 11.85       |             |
| E. Spalding, harness work . .   | 4.00        |             |
| Hill & Hill, harness work . .   | 2.50        |             |
| Frank A. Fuller & Co., car-<br>pentering . . . . .                                  | 264.69      |             |
| Harris P. Tibbetts, carpenter-<br>ing . . . . .                                     | 209.81      |             |
| G. F. Matthews, carpentering .  | 17.98       |             |
| L. C. Seavey, roofing . . . .   | 10.35       |             |
| J. Q. Twombly, painting . . .   | 6.10        |             |
| G. M. Fortin, painting . . . .  | 3.00        |             |
| W. J. Fermoyale, painting . .   | 8.00        |             |
| <i>Amounts carried forward</i> .  | \$11,513.27 | \$19,429.09 |

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| <i>Amounts brought forward</i> .                              | \$11,513.27 | \$19,429.09 |
| John Donnelly & Son, posting                                  | 75.80       |             |
| Stillman H. Libbey, services<br>as auctioneer . . . .         | 20.10       |             |
| L. H. Snow, services . . .                                    | 2.00        |             |
| Yale & Towne Mfg. Co., clean-<br>ing and insuring time lock . | 15.00       |             |
| Damon Safe & Iron Works<br>Co., repairs of vault . . .        | 6.75        |             |
| Smith Premier Typewriter Co.,<br>typewriter, etc. . . . .     | 106.60      |             |
| Miller & Shaw, repairs of<br>coupon cutter . . . . .          | 2.25        |             |
| Pemberton Cutler, check can-<br>celling machine . . . . .     | 20.00       |             |
| I. H. Brown & Co., lumber .                                   | 1.55        |             |
| B. F. Freeman, photographs .                                  | 7.00        |             |
| Standard Floor Oil Co., oil .                                 | 3.50        |             |
| George H. Walker & Co.,<br>maps . . . . .                     | 28.00       |             |
| A. B. Haley & Co., stamps .                                   | 1.50        |             |
| C. C. Hoffman & Co., stamps .                                 | 10.02       |             |
| T. S. Buck, stamps . . . .                                    | 10.05       |             |
| James Ryan, stamps . . . .                                    | 7.90        |             |
| C. S. Robertson, stamps . .                                   | 1.20        |             |
| W. H. Bullard, supplies . . .                                 | 4.40        |             |
| James Bartley, supplies . . .                                 | 14.00       |             |
| William Scheubeler, towels .                                  | 3.77        |             |
| W. S. Ward, supplies . . . .                                  | 1.90        |             |
| C. M. Blake, newspapers . .                                   | 6.00        |             |
| Fred W. Farrar, clockwork .                                   | 5.00        |             |
| Sprague & Hathaway Co.,<br>frames . . . . .                   | 1.96        |             |
| George W. Manning, window<br>guards, etc. . . . .             | 79.05       |             |
| Irving W. Wheeler & Co.,<br>awnings . . . . .                 | 103.00      |             |
| <i>Amounts carried forward</i> .                              | \$12,051.57 | \$19,429.09 |



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| <i>Amounts brought forward</i> . | \$12,051.57 | \$19,429.09 |
| American Mason Safety Tread      |             |             |
| Co., treads . . . . .            | 18.40       |             |
| Higginson Mfg. Co., screens .    | 114.25      |             |
| McKenney & Waterbury,            |             |             |
| lamps . . . . .                  | 26.20       |             |
| Engineering Department,          |             |             |
| numbering houses . . .           | 21.50       |             |
| Middlesex County Truant          |             |             |
| School, board of Truants         | 1,133.85    |             |
| J. G. Albee, turkeys . . .       | 44.80       |             |
| F. H. Burrows, turkeys . .       | 124.60      |             |
| F. L. Card, turkeys . . .        | 44.90       |             |
| George E. Elliott, turkeys .     | 36.48       |             |
| S. S. Higgins, turkeys . . .     | 100.40      |             |
| L. W. Manning, turkeys . .       | 122.20      |             |
| R. M. Sturtevant, turkeys .      | 102.70      |             |
| American Express Co., ex-        |             |             |
| pressing . . . . .               | 13.59       |             |
| E. R. Perham, expressing .       | 15.55       |             |
| Gilman's Express Co., express-   |             |             |
| ing . . . . .                    | 6.01        |             |
| Glines & Co., expressing .       | .45         |             |
| Thorpe's Express, expressing     | 8.25        |             |
| George T. Day, expressing .      | .30         |             |
| E. E. Whitehouse, expressing .   | 1.05        |             |
| London's Express, expressing .   | .15         |             |
| A. M. Prescott, teaming . .      | 31.40       |             |
| Albert C. Aldrich, return of     |             |             |
| births . . . . .                 | 7.50        |             |
| George G. Averill, return of     |             |             |
| births . . . . .                 | .50         |             |
| William H. Bailey, return of     |             |             |
| births . . . . .                 | 6.50        |             |
| L. N. Bump, return of births .   | 1.25        |             |
| W. A. Bell, return of births .   | 4.50        |             |
| <i>Amounts carried forward</i> . | \$14,038.85 | \$19,429.09 |

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| <i>Amounts brought forward</i> .                     | \$14,038.85 | \$19,429.09 |
| G. W. Bryant, return of<br>births . . . . .          | 5.25        |             |
| Harriet H. Cobb, return of<br>births . . . . .       | .50         |             |
| Charles S. Cahill, return of<br>births . . . . .     | 11.75       |             |
| Charles K. Cutter, return of<br>births . . . . .     | 2.25        |             |
| Henry F. Curtis, return of<br>births . . . . .       | 7.50        |             |
| John B. Curtis, return of<br>births . . . . .        | 11.25       |             |
| E. H. Coddington, return of<br>births . . . . .      | 2.75        |             |
| A. H. Carvill, return of births .                    | 4.00        |             |
| William H. Clancy, return of<br>births . . . . .     | .50         |             |
| Mary B. Currier, return of<br>births . . . . .       | 1.50        |             |
| Augustus W. Dudley, return of<br>births . . . . .    | 1.25        |             |
| H. Ashton Downs, return of<br>births . . . . .       | 1.25        |             |
| T. M. Durell, return of births .                     | 12.50       |             |
| A. B. Dearborn, return of<br>births . . . . .        | 8.00        |             |
| Roland A. Davis, return of<br>births . . . . .       | 1.25        |             |
| D. P. Danehy, return of births                       | 3.25        |             |
| Douglas S. Flewelling, return<br>of births . . . . . | 4.00        |             |
| P. F. Fitzsimmons, return of<br>births . . . . .     | .75         |             |
| T. F. Goulding, return of<br>births . . . . .        | .50         |             |
| <i>Amounts carried forward</i> .                     | \$14,118.85 | \$19,429.09 |

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| <i>Amounts brought forward</i> .                | \$14,118.85 | \$19,429.09 |
| George W. Greenleaf, return of births . . . . . | .75         |             |
| J. B. Gould, return of births . . . . .         | .75         |             |
| A. Ward Follett, return of births . . . . .     | 5.75        |             |
| John A. Gregg, return of births . . . . .       | 12.00       |             |
| A. A. Gibson, return of births . . . . .        | 22.00       |             |
| A. W. Forbush, return of births . . . . .       | 1.50        |             |
| P. J. Finnegan, return of births . . . . .      | 3.75        |             |
| W. P. Hammond, return of births . . . . .       | 2.25        |             |
| Henry C. Haché, return of births . . . . .      | 11.75       |             |
| William J. Hatchett, return of births . . . . . | 4.25        |             |
| H. A. Hands, return of births . . . . .         | 5.25        |             |
| W. E. Harvey, return of births . . . . .        | .50         |             |
| E. S. Kimpton, return of births . . . . .       | 2.25        |             |
| Thomas J. Leahy, return of births . . . . .     | 1.25        |             |
| Joseph S. Lockhart, return of births . . . . .  | 1.00        |             |
| J. A. McDonald, return of births . . . . .      | 1.00        |             |
| George T. Mahoney, return of births . . . . .   | 2.50        |             |
| H. P. Makechnie, return of births . . . . .     | 1.75        |             |
| A. E. Merrill, return of births . . . . .       | 1.75        |             |
| George A. Miles, return of births . . . . .     | 12.00       |             |
| <i>Amounts carried forward</i> .                | \$14,212.85 | \$19,429.09 |

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| <i>Amounts brought forward</i> .                   | \$14,212.85 | \$19,429.09 |
| Charles A. Mongan, return of<br>births . . . . .   | 9.50        |             |
| A. B. McIntire, return of<br>births . . . . .      | 1.25        |             |
| A. Moll, return of births .                        | 2.50        |             |
| F. L. S. Newton, return of<br>births . . . . .     | 3.00        |             |
| Louis P. O'Donnell, return of<br>births . . . . .  | 15.50       |             |
| George S. Osgood, return of<br>births . . . . .    | 2.50        |             |
| R. L. Lane, return of births .                     | 4.75        |             |
| T. J. Partridge, return of births                  | .50         |             |
| Eugenie M. Phillips, return of<br>births . . . . . | 3.25        |             |
| Emma J. Peasley, return of<br>births . . . . .     | 1.75        |             |
| E. D. Pillsbury, return of births                  | 1.00        |             |
| Betty Suber, return of births .                    | .75         |             |
| Frederick G. Smith, return of<br>births . . . . .  | 9.75        |             |
| E. A. Sanborn, return of<br>births . . . . .       | 1.50        |             |
| Anna B. Taylor, return of<br>births . . . . .      | 1.25        |             |
| W. H. Tyler, return of births                      | 1.50        |             |
| H. S. Trueman, return of<br>births . . . . .       | 3.25        |             |
| Roswell Weatherbee, return of<br>births . . . . .  | 1.75        |             |
| J. A. Walker, return of births                     | 1.75        |             |
| F. W. Taylor, return of births                     | 2.75        |             |
| Charles J. Walsh, return of<br>births . . . . .    | 2.50        |             |
| Reuben Willis, return of births                    | 3.00        |             |
| <i>Amounts carried forward</i> .                   | \$14,288.10 | \$19,429.09 |



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| <i>Amounts brought forward</i> .                 | \$14,288.10 | \$19,429.09 |
| George W. W. Whiting, return of births . . . . . | 8.75        |             |
| Emory L. White, return of births . . . . .       | 1.25        |             |
| Mrs. J. K. Welsh, return of births . . . . .     | 1.00        |             |
| N. S. Shannon, return of births . . . . .        | .25         |             |
| J. F. Kennard, census of births . . . . .        | 52.95       |             |
| John M. Schroeder, census of births . . . . .    | 78.50       |             |
| Elizabeth S. Webster, census of births . . . . . | 50.10       |             |
| Clara Z. Elliot, census of births . . . . .      | 55.70       |             |
| W. A. Frink, reporting deaths . . . . .          | 10.00       |             |
| W. A. Flaherty, reporting deaths . . . . .       | 79.25       |             |
| Alfred E. Mann, reporting deaths . . . . .       | 21.50       |             |
| John J. Crimmings, reporting deaths . . . . .    | 12.50       |             |
| E. H. Marsh & Son, reporting deaths . . . . .    | 23.00       |             |
| Francis M. Wilson, reporting deaths . . . . .    | 19.50       |             |
| David Fudge & Son, reporting deaths . . . . .    | 4.00        |             |
| C. F. Bryant, reporting deaths . . . . .         | 11.00       |             |
| John E. Bryant, reporting deaths . . . . .       | 3.75        |             |
| M. J. Murphy, reporting deaths . . . . .         | 1.00        |             |
| J. W. Howard, floral tribute . . . . .           | 35.00       |             |
| R. C. Burckes, labor . . . . .                   | 15.00       |             |
| D. G. Marston, labor . . . . .                   | 5.00        |             |
| J. L. Whittaker, labor . . . . .                 | 5.00        |             |
| C. A. Southwick, labor . . . . .                 | 3.50        |             |
| <i>Amounts carried forward</i> .                 | \$14,785.60 | \$19,429.09 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 167

|   |             |                    |
|---|-------------|--------------------|
| <i>Amounts brought forward</i> .                      | \$14,785.60 | \$19,429.09        |
| Howard P. Southwick, labor .                          | 17.50       |                    |
| William Waller, labor . .                             | 28.00       |                    |
| W. H. Kelley, labor . .                               | 8.50        |                    |
| W. H. Laskey, labor . .                               | 2.50        |                    |
| N. L. Pennock, labor . .                              | 6.00        |                    |
| Alfred Shiner, labor . .                              | 7.65        |                    |
| B. F. Sheridan, labor . .                             | 5.50        |                    |
| A. B. Colesworthy, labor .                            | 5.00        |                    |
| E. P. Cook, labor . . .                               | 7.00        |                    |
| F. S. Dickinson, labor . .                            | 5.00        |                    |
| J. F. O'Brien, labor . .                              | 9.00        |                    |
| Edward T. Peterson, labor .                           | 5.00        |                    |
| J. W. Rich, labor . . .                               | 7.50        |                    |
| Charles Weston, labor . .                             | 5.00        |                    |
| Jennie L. Jones, car fares .                          | 20.80       |                    |
| Charles L. Ellis, car fares .                         | 14.54       |                    |
| Charles C. Farrington, refresh-<br>ments . . . . .    | 257.50      |                    |
| Elm Café, refreshments . .                            | 4.00        |                    |
| Hotel Colson, refreshments .                          | 28.25       |                    |
| Charles S. Eaton, refreshments                        | 19.77       |                    |
| Precinct Officers . . . .                             | 1,612.00    |                    |
| Charles S. Davis, compensa-<br>tion for damages . . . | 100.00      |                    |
| Albert Wilkinson, compensa-<br>tion for damages . . . | 125.00      |                    |
| Teele's band, music . . .                             | 22.00       |                    |
| William M. Perkins, band . .                          | 100.00      |                    |
| Excess and Deficiency, balance                        | \$17,208.61 |                    |
| to credit of account . . .                            | 2,220.48    |                    |
|   |             | <u>\$19,429.09</u> |

OVERLAY AND ABATEMENT.

|   |         |                   |
|---|---------|-------------------|
|   | CREDIT. |                   |
| Balance from 1897 . . . . .             |         | \$2,539.04        |
| <i>Amount carried forward</i> . . . . . |         | <u>\$2,539.04</u> |

|  |            |
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| <i>Amount brought forward</i> . . . . .  | \$2,539.04 |
| Taxes, amount added by the Assessors for convenience in apportionment, to be applied to abatement on taxes . . . . . | 1,823.64   |
| Cash, taxes collected . . . . .  | 20.70      |
|  | <hr/>      |
|  | \$4,383.38 |
| Excess and Deficiency, balance to debit of account . . . . .   | 1,529.43   |
|  | <hr/>      |
|  | \$5,912.81 |

## DEBIT.

|  |            |
|--|------------|
| Taxes, amount of abatements . . . . .                              | \$5,737.34 |
| Cash, paid Mary McDonough, tax of 1897 refunded . . . . .          | 34.60      |
| Clara H. Dickinson, tax of 1898 refunded . . . . .                 | 35.80      |
| John F. McKenna, surrender and discharge of tax title . . . . .    | 11.53      |
| Willard Welsh, surrender and discharge of tax title . . . . .      | 50.54      |
| L. Roger Wentworth, surrender and discharge of tax title . . . . . | 43.00      |
|  | <hr/>      |
|  | \$5,912.81 |

## OVERPLUS ON TAX SALES.

## CREDIT.

|                             |          |
|-----------------------------|----------|
| Balance from 1897 . . . . . | \$157.13 |
|-----------------------------|----------|

## DEBIT.

|                           |          |
|---------------------------|----------|
| Balance to 1899 . . . . . | \$157.13 |
|---------------------------|----------|

## POLICE.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . .                         | \$48,500.00 |
| Cash, received of Herbert A. Chapin, Clerk of the Court . . . . . | \$2,922.00  |
|   | <hr/>       |
| <i>Amounts carried forward</i> . . . . .                          | \$2,922.00  |
|   | <hr/>       |
|   | \$48,500.00 |

## APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 169

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .  | \$2,922.00 | \$48,500.00 |
| J. R. Fairbairn, master of<br>House of Correction, fines,<br>etc. . . . . | 854.50     |             |
|   | <hr/>      | 3,776.50    |
| Excess and Deficiency, balance<br>to debit of account . . .               |            | 339.84      |
|   |            | <hr/>       |
|   |            | \$52,616.34 |

## DEBIT.

|  |             |             |
|--|-------------|-------------|
| Cash, paid Melville C. Parkhurst,<br>chief . . . . . | \$1,900.00  |             |
| Robert R. Perry, captain .                           | 1,500.00    |             |
| Edward McGarr, sergeant .                            | 1,200.00    |             |
| Christopher C. Cavanagh,<br>sergeant . . . . .       | 1,200.00    |             |
| Dennis Kelley, sergeant .                            | 1,200.00    |             |
| Eugene A. Carter, sergeant .                         | 1,200.00    |             |
| John E. Fuller, patrolman .                          | 1,095.00    |             |
| George L. Smith, patrolman .                         | 1,095.00    |             |
| Edward M. Carter, patrolman                          | 1,095.00    |             |
| George W. Bean, patrolman .                          | 1,095.00    |             |
| George A. Bodge, patrolman .                         | 1,095.00    |             |
| Phineas W. Skinner, patrolman                        | 1,095.00    |             |
| John Hafford, patrolman .                            | 1,095.00    |             |
| Albion L. Staples, patrolman                         | 1,095.00    |             |
| George H. Carleton, patrolman                        | 1,095.00    |             |
| Judson W. Oliver, patrolman .                        | 1,095.00    |             |
| Francis A. Perkins, patrolman                        | 1,095.00    |             |
| Charles S. Thrasher, patrol-<br>man . . . . .        | 1,095.00    |             |
| William H. Johnston, patrol-<br>man . . . . .        | 1,095.00    |             |
| Charles E. Woodman, patrol-<br>man . . . . .         | 1,095.00    |             |
| Arthur E. Keating, patrolman                         | 1,095.00    |             |
| John G. Knight, patrolman .                          | 1,086.00    |             |
|  | <hr/>       |             |
| <i>Amounts carried forward</i> .                     | \$25,711.00 | \$52,616.34 |



|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i>                | \$25,711.00 | \$52,616.34 |
| Jacob W. Skinner, patrolman                   | 1,095.00    |             |
| Theodore E. Heron, patrolman                  | 1,095.00    |             |
| David A. Bolton, patrolman .                  | 1,092.00    |             |
| Ulysses G. Skinner, patrolman                 | 1,095.00    |             |
| James M. Harmon, patrolman                    | 1,095.00    |             |
| Michael T. Kennedy, patrolman . . . . .       | 1,095.00    |             |
| Charles W. Stevens, patrolman . . . . .       | 1,071.00    |             |
| Ira S. Carleton, patrolman .                  | 1,095.00    |             |
| Ezra A. Dodge, patrolman .                    | 1,095.00    |             |
| Eugene H. Gammon, patrolman . . . . .         | 510.00      |             |
| James J. Pollard, patrolman .                 | 1,074.00    |             |
| Daniel G. Simons, patrolman                   | 1,095.00    |             |
| Samuel Burns, patrolman .                     | 1,095.00    |             |
| Frederic H. Googins, patrolman . . . . .      | 1,095.00    |             |
| Jotham Chisholm, patrolman .                  | 609.00      |             |
| William J. Davidson, patrolman . . . . .      | 1,095.00    |             |
| Elmer E. Drew, patrolman .                    | 1,065.00    |             |
| John A. Dadmun, patrolman .                   | 1,032.50    |             |
| Eugene A. Woodsum, patrolman . . . . .        | 934.50      |             |
| George L. Rice, patrolman .                   | 951.75      |             |
| Myron S. Gott, reserve patrolman . . . . .    | 865.00      |             |
| John A. Ray, reserve patrolman . . . . .      | 912.50      |             |
| Herbert Hilton, reserve patrolman . . . . .   | 912.50      |             |
| Charles W. Rieck, reserve patrolman . . . . . | 837.50      |             |
| Fred H. Young, special patrolman . . . . .    | 6.00        |             |
| <i>Amounts carried forward</i> .              | \$49,629.25 | \$52,616.34 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 171

|   |                   |                   |
|---|-------------------|-------------------|
| <i>Amounts brought forward</i> .                    | \$49,629.25       | \$52,616.34       |
| Peter J. Savage, special patrolman . . . . .        | 16.00             |                   |
| Peter Savage, special patrolman . . . . .           | 8.00              |                   |
| Joseph Russell, special patrolman . . . . .         | 3.00              |                   |
| Lewis R. Stewart, special patrolman . . . . .       | 58.00             |                   |
| Albert Gilman, special patrolman . . . . .          | 8.00              |                   |
| N. L. Pennock, special patrolman . . . . .          | 8.00              |                   |
| George H. Dearborn, special patrolman . . . . .     | 8.00              |                   |
| Frederick S. Dickinson, special patrolman . . . . . | 8.00              |                   |
| Philip J. Fitzpatrick, special patrolman . . . . .  | 8.00              |                   |
| Edward F. Reed, special patrolman . . . . .         | 8.00              |                   |
| Bernard F. Sheridan, special patrolman . . . . .    | 4.00              |                   |
| Edward T. Peterson, special patrolman . . . . .     | 8.00              |                   |
| Roy C. Burckes, special patrolman . . . . .         | 8.00              |                   |
| L. M. Maynard, special patrolman . . . . .          | 8.00              |                   |
| Michael J. Davis, special patrolman . . . . .       | 8.00              |                   |
| Charles H. Weston, special patrolman . . . . .      | 8.00              |                   |
| Alfred M. Sibley, special patrolman . . . . .       | 8.00              |                   |
| A. B. Colesworthy, special patrolman . . . . .      | 8.00              |                   |
| <i>Amounts carried forward</i> .                    | <hr/> \$49,822.25 | <hr/> \$52,616.34 |

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| <i>Amounts brought forward</i> .             | \$49,822.25 | \$52,616.34 |
| Daniel H. Rinn, special patrolman . . . . .  | 4.00        |             |
| Warren H. Smith, stableman                   | 674.00      |             |
| William H. Kelley, stableman                 | 23.00       |             |
| William I. Pennie, stableman                 | 27.00       |             |
| Edward E. Ware, stableman .                  | 470.75      |             |
| Irving E. Wilton, labor . . .                | 63.50       |             |
| M. C. Parkhurst, lockup keeper               | 100.00      |             |
| Disbursements . . . . .                      | 16.00       |             |
| Eugene A. Carter, disbursements . . . . .    | 96.50       |             |
| Lemuel H. Snow, disbursements . . . . .      | 16.05       |             |
| George H. Carleton, disbursements . . . . .  | 25.88       |             |
| Arthur E. Keating, disbursements . . . . .   | 2.50        |             |
| Daniel G. Simons, disbursements . . . . .    | 1.14        |             |
| Albion L. Staples, disbursements . . . . .   | 7.72        |             |
| John A. Ray, disbursements .                 | .54         |             |
| Mary A. Staples, matron .                    | 132.50      |             |
| Mrs. J. Herron, meals . . .                  | 36.00       |             |
| Raphael Masstrangialo, wreaths . . . . .     | 11.75       |             |
| Scovill Mfg. Co., buttons .                  | 13.50       |             |
| Wendell, Fay & Co., stripes .                | 3.38        |             |
| George C. Frost, laundering .                | 15.33       |             |
| Sampson, Murdock & Co., directory . . . . .  | 2.00        |             |
| W. A. Greenough & Co., directories . . . . . | 6.00        |             |
| H. Wood, keys . . . . .                      | .50         |             |
| Ira L. Roberts, horseshoeing .               | 89.22       |             |
| <i>Amounts carried forward</i> .             | \$51,661.01 | \$52,616.34 |

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|--|-------------|-------------|
| <i>Amounts brought forward</i> .                                     | \$51,661.01 | \$52,616.34 |
| E. Spalding, harness work .  | 18.85       |             |
| Charles Waugh & Sons, carriage work . . . . .                        | 182.10      |             |
| Henry Barrett, photographs .   | 22.00       |             |
| Allen Bros., stamps . . . . .  | 1.20        |             |
| A. Fiske, crackers . . . . .   | 19.73       |             |
| F. W. Farrar, repairing clocks .                                     | 10.50       |             |
| Jackson Caldwell & Co., oil-cloth . . . . .                          | 1.38        |             |
| Fulton O'Brien, hay and grain .                                      | 172.31      |             |
| Iver Johnson & Co., repairs .  | 10.15       |             |
| L. H. Brown, carriage hire .   | 18.00       |             |
| William Kirkland, carriage hire . . . . .                            | 5.00        |             |
| Somerville Electric Light Co., lamps . . . . .                       | 12.00       |             |
| Little, Brown & Co., books .   | 4.50        |             |
| Thomas Groom & Co., stationery . . . . .                             | 44.73       |             |
| M. L. Vinal, stationery . . . . .                                    | 2.40        |             |
| Somerville Journal Co., printing . . . . .                           | 11.25       |             |
| Somerville Citizen Co., printing . . . . .                           | 2.25        |             |
| Fresh Pond Ice Co., ice . . . . .                                    | 35.00       |             |
| C. M. Blake, newspapers . . . . .                                    | 14.60       |             |
| New England Telephone and Telegraph Co., rentals and tolls . . . . . | 216.88      |             |
| Union Square Carriage Co., repairs . . . . .                         | 35.25       |             |
| James Bartley, oil . . . . .   | .80         |             |
| Wellington - Wild Coal Co., fuel . . . . .                           | 34.56       |             |
| Whitney & Snow, hardware .   | 22.49       |             |
| <i>Amounts carried forward</i> .                                     | \$52,558.94 | \$52,616.34 |



|  |             |                    |
|--|-------------|--------------------|
| <i>Amounts brought forward</i> .                   | \$52,558.94 | \$52,616.34        |
| Howe & Flint, hardware .                           | 11.90       |                    |
| W. E. Plumer & Co., hard-<br>ware . . . . .        | 3.50        |                    |
| W. Schuebeler, dry goods .                         | 7.50        |                    |
| R. M. Sturtevant, supplies .                       | 3.31        |                    |
| Milton H. Plumer, drugs .                          | 2.30        |                    |
| A. B. Dearborn, medical at-<br>tendance . . . . .  | 15.00       |                    |
| L. P. O'Donnell, medical at-<br>tendance . . . . . | 2.00        |                    |
| W. H. Way, veterinary ser-<br>vices . . . . .      | 2.00        |                    |
| C. H. Paine, horse medicine .                      | 2.00        |                    |
| Thorpe's Express, expressing .                     | 3.55        |                    |
| E. E. Whitehouse, expressing .                     | .60         |                    |
| E. R. Perham, expressing .                         | .60         |                    |
| Page & Co., expressing . . .                       | .50         |                    |
| American Express Co., ex-<br>pressing . . . . .    | 1.82        |                    |
| Gilman's Express, expressing .                     | .67         |                    |
| George T. Day, expressing .                        | .15         |                    |
|  |             | <u>\$52,616.34</u> |

## POLICE STATION INCIDENTALS.

## CREDIT.

|  |                   |
|--|-------------------|
| Appropriations, amount assessed . . . . .                              | \$2,000.00        |
| Cash, received of County of Middlesex, rent of<br>court room . . . . . | 600.00            |
|  | <u>\$2,600.00</u> |

## DEBIT.

|  |                   |
|--|-------------------|
| Cash, paid Henry S. Braden,<br>janitor . . . . . | \$850.00          |
| H. Wellington & Co., fuel .                      | 224.40            |
|  | <u>\$1,074.40</u> |
| <i>Amounts carried forward</i> . . . . .         | \$2,600.00        |

|  |            |            |
|--|------------|------------|
| <i>Amounts brought forward</i> .                             | \$1,074.40 | \$2,600.00 |
| Wellington - Wild Coal Co.,<br>fuel . . . . .                | 88.53      |            |
| Cambridge Gaslight Co., gas .                                | 546.04     |            |
| City of Boston, water . . .                                  | 14.00      |            |
| City of Somerville, water .                                  | 40.74      |            |
| Donnelly & Co., plumbing .                                   | 18.12      |            |
| Howe & Flint, plumbing .                                     | 43.42      |            |
| W. E. Plumer & Co., plumb-<br>ing . . . . .                  | 22.23      |            |
| Whitney & Snow, hardware .                                   | 1.50       |            |
| A. A. Sanborn, steamfitting .                                | 11.00      |            |
| Doe & McMillan, steamfitting .                               | 17.70      |            |
| Jackson Caldwell & Co., shades                               | 3.00       |            |
| J. Q. Twombly, painting .                                    | 35.27      |            |
| G. D. B. Robinson, painting .                                | 41.12      |            |
| W. F. Hyson, painting . . .                                  | 15.00      |            |
| L. C. Seavey, roofing . . .                                  | 9.37       |            |
| G. M. Fortin, glazing . . .                                  | 10.23      |            |
| Albert T. Lyman, repairs of<br>furniture . . . . .           | 1.57       |            |
| Union Glass Co., Globes . .                                  | 7.00       |            |
| Albert W. Rice, labor . . .                                  | 28.00      |            |
| R. M. Sturtevant, supplies .                                 | 7.72       |            |
| F. D. Weld, ladder . . . .                                   | 5.00       |            |
| Sulpho Napthol Co., sulpho<br>naphthol . . . . .             | 20.00      |            |
| Columbian Insecticide Co.,<br>disinfectant . . . . .         | 10.50      |            |
| G. P. Richardson, flag . . .                                 | 27.00      |            |
|  | <hr/>      |            |
|  | \$2,098.46 |            |
| Excess and Deficiency, balance<br>to credit of account . . . | 501.54     |            |
|  | <hr/>      |            |
|  |            | \$2,600.00 |

## PRINTING AND STATIONERY.

## CREDIT.

|  |            |
|--|------------|
| Appropriations, amount assessed . . . . .      | \$6,500.00 |
| Interest account, amount transferred . . . . . | 1,500.00   |
|  | <hr/>      |
|  | \$8,000.00 |

## DEBIT.

|   |            |            |
|---|------------|------------|
| Cash, paid Somerville Journal Co., printing and advertising | \$4,010.35 |            |
| Somerville Citizen Co., printing and advertising . . . . .  | 383.69     |            |
| Miscellaneous account, maps . . . . .                       | 28.00      |            |
| George H. Walker & Co., maps . . . . .                      | 38.25      |            |
| Helotype Printing Co., maps . . . . .                       | 38.50      |            |
| Samuel Usher, printing . . . . .                            | 168.90     |            |
| Forbes Lithograph Mfg. Co., printing . . . . .              | 183.00     |            |
| George Stevens & Co., printing . . . . .                    | 106.25     |            |
| Thomas Groom & Co., stationery, etc. . . . .                | 2,524.23   |            |
| W. A. Greenough & Co., directories . . . . .                | 15.00      |            |
| J. Q. Adams & Co., dictionaries . . . . .                   | 15.00      |            |
| George I. Vincent, book . . . . .                           | 2.00       |            |
| F. S. Blanchard & Co., book . . . . .                       | 1.50       |            |
| A. E. Martell & Co., stationery . . . . .                   | .75        |            |
| Blackbird Pen Co., pens . . . . .                           | 10.00      |            |
| Smith Premier Typewriter Co., ribbons, etc. . . . .         | 19.33      |            |
| Cotton & Gould, crayons . . . . .                           | 6.00       |            |
| Greenough, Adams & Cushing, ink, etc. . . . .               | 6.00       |            |
|   | <hr/>      |            |
| <i>Amounts carried forward</i> . . . . .                    | \$7,556.75 | \$8,000.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 177

|  |            |            |
|--|------------|------------|
| <i>Amounts brought forward</i> .                             | \$7,556.75 | \$8,000.00 |
| T. S. Buck, stamps . . .                                     | 9.80       |            |
| Howe & Flint, pans . . .                                     | 7.00       |            |
| Charles F. Libbey & Co.,<br>reports . . . . .                | 1.60       |            |
| George T. Day, expressing .                                  | .45        |            |
|  | <hr/>      |            |
|  | \$7,575.60 |            |
| Excess and Deficiency, balance<br>to credit of account . . . | 424.40     |            |
|  | <hr/>      |            |
|  |            | \$8,000.00 |

PROPERTY AND DEBT BALANCE.

CREDIT.

|   |                |
|---|----------------|
| Balance from 1897 . . . .                               | \$1,090,100.12 |
| Public Property, property ac-<br>quired in 1898 . . . . | 114,268.43     |
| Reduction of Funded Debt,<br>bonds paid . . . . .       | 172,000.00     |
|   | <hr/>          |
|   | \$1,376,368.55 |

DEBIT.

|   |                |
|---|----------------|
| Appropriations, amount borrowed<br>on Funded Debt account . | \$ 176,000.00  |
| Balance to credit of account, 1899                          | 1,200,368.55   |
|   | <hr/>          |
|   | \$1,376,368.55 |

PUBLIC GROUNDS.

CREDIT.

|   |            |
|---|------------|
| Appropriations, amount assessed . . . .                                   | \$6,000.00 |
| Armory account, amount transferred . . .                                  | 400.00     |
| Cash, received of Joseph Young<br><i>et al.</i> , old lawn mowers . . . . | \$6.50     |
| Public Grounds, Lincoln Park<br>account, labor, etc. . . . .              | 1,252.46   |
|   | <hr/>      |
| <i>Amounts carried forward</i> .  | \$1,258.96 |
|   | \$6,400.00 |



|   |            |            |
|---|------------|------------|
| <i>Amounts brought forward</i> .                        | \$1,258.96 | \$6,400.00 |
| West End Street Railway Co.,<br>care of parkway . . . . | 50.00      |            |
| Sidewalks account, sods . .                             | 8.80       |            |
|   | <hr/>      | 1,317.76   |
|   |            | <hr/>      |
|   |            | \$7,717.76 |

## DEBIT.

|  |            |
|--|------------|
| Cash, paid laborers . . . .                        | \$5,713.37 |
| J. W. Howard, plants and care                      | 900.00     |
| Joseph Breck & Sons, seed, etc.                    | 57.33      |
| Whitney & Snow, tools . . .                        | 66.64      |
| J. A. Durell, tools . . . .                        | 25.50      |
| Charles L. Underhill, tools .                      | .50        |
| E. S. Sparrow & Co., tools .                       | 18.40      |
| M. Norton & Co., hose . . .                        | 5.74       |
| Ames Plow Co., lawn mow-<br>ers . . . . .          | 13.30      |
| Underhill Hardware Co., lawn<br>mowers . . . . .   | 7.25       |
| M. D. Jones & Co., settees .                       | 24.90      |
| Joseph Young, repairs of tools                     | 10.50      |
| L. A. Wright, repairs of tools                     | 8.40       |
| H. Wood, repairs of tools .                        | 1.00       |
| New York Nozzle Co., nozzle<br>pipe . . . . .      | 15.00      |
| J. C. McLean, stove . . . .                        | 6.53       |
| George W. Manning, labor on<br>flagstaff . . . . . | 30.00      |
| I. H. Brown Moulding Co.,<br>lumber . . . . .      | 3.75       |
| F. C. Ayer, lumber . . . .                         | 3.29       |
| G. F. Matthews, repairs . .                        | 8.95       |
| George W. Prime, painting<br>sign . . . . .        | 6.50       |
| David W. Lewis, cement .                           | 15.00      |

|                                  |            |            |
|----------------------------------|------------|------------|
| <i>Amounts carried forward</i> . | \$6,941.85 | \$7,717.76 |
|----------------------------------|------------|------------|

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 179

|  |            |            |
|--|------------|------------|
| <i>Amounts brought forward</i> .                             | \$6,941.85 | \$7,717.76 |
| Waldo Bros., cement . . .                                    | 11.75      |            |
| George D. Goodrich, drain pipe . . .                         | 24.20      |            |
| W. A. Sanborn, brick . . .                                   | 7.00       |            |
| Jordan, Marsh & Co., flag . . .                              | 18.00      |            |
| Horatio Wellington & Co., fuel . . .                         | 3.00       |            |
| Wellington - Wild Coal Co., fuel . . .                       | 4.90       |            |
| B. F. Wild & Co., fuel . . .                                 | 5.07       |            |
| William J. McCarthy, sand . . .                              | 11.90      |            |
| T. H. Bryne, filling . . .                                   | 24.15      |            |
| C. E. Trumbull & Co., filling . . .                          | 187.41     |            |
| Massachusetts Broken Stone<br>Co., broken stone . . .        | 17.79      |            |
| T. Allen, concreting . . .                                   | 33.54      |            |
| James Tevlin, use of team . . .                              | 62.88      |            |
| George W. Prichard, use of<br>horse . . . . .                | 123.00     |            |
| Leopold Morse & Co., suits . . .                             | 69.80      |            |
| George E. Ricker, refresh-<br>ments . . . . .                | 8.00       |            |
| J. H. Thompson, carriage hire . . .                          | 18.00      |            |
| Engineering News Publishing<br>Co., advertising . . .        | 11.40      |            |
| Page & Co., expressing . . .                                 | .15        |            |
| City of Somerville, water . . .                              | 60.00      |            |
| Highways account, stone . . .                                | 45.00      |            |
|  | <hr/>      |            |
|  | \$7,688.79 |            |
| Excess and Deficiency, balance<br>to credit of account . . . | 28.97      |            |
|  | <hr/>      |            |
|  |            | \$7,717.76 |
|  |            | <hr/>      |

PUBLIC GROUNDS, LINCOLN PARK.

CREDIT.

|  |            |
|--|------------|
| Appropriations, amount appropriated by borrow-<br>ing on Funded Debt account . . . . . | \$5,000.00 |
| <i>Amount carried forward</i> . . . . .  | \$5,000.00 |

|   |                   |                   |
|---|-------------------|-------------------|
| <i>Amount brought forward</i> . . . . .                       |                   | \$5,000.00        |
| DEBIT.  |                   |                   |
| Cash, paid laborers . . . . .                                 | \$1,465.06        |                   |
| Seward Dodge, repairs of tools . . . . .                      | 2.38              |                   |
| Ames Plow Co., repairs of tools . . . . .                     | .35               |                   |
| J. H. Brooks, cloth . . . . .                                 | .93               |                   |
| Portland Stoneware Co., drain pipe . . . . .                  | 59.76             |                   |
| George D. Goodrich, drain pipe . . . . .                      | 38.36             |                   |
| James Tevlin, use of team . . . . .                           | 222.64            |                   |
| William H. Wood & Co., lumber . . . . .                       | .50               |                   |
| I. H. Brown Moulding Co., lumber . . . . .                    | 8.40              |                   |
| Whitney & Snow, hardware . . . . .                            | 7.76              |                   |
| C. E. Trumbull & Co., filling . . . . .                       | 893.86            |                   |
| T. H. Bryne, filling . . . . .                                | 65.13             |                   |
| Martin Gill, filling . . . . .                                | 127.40            |                   |
| Timothy F. Crimmings, filling . . . . .                       | 443.10            |                   |
| William J. McCarthy, filling . . . . .                        | 63.35             |                   |
| Richard Falvey, filling . . . . .                             | 25.58             |                   |
| M. A. Tenney, filling . . . . .                               | 23.88             |                   |
| W. L. Clark & Co., filling . . . . .                          | 16.43             |                   |
| City of Somerville, sewer assessment . . . . .                | 218.34            |                   |
| Public Grounds account, labor, etc. . . . .                   | 1,252.46          |                   |
| Highways account, grading . . . . .                           | 52.20             |                   |
|   | <u>\$4,987.87</u> |                   |
| Excess and Deficiency, balance to credit of account . . . . . | 12.13             |                   |
|   | <u></u>           | <u>\$5,000.00</u> |

## PUBLIC GROUNDS, PROSPECT HILL PARK.

## CREDIT.

|   |                    |
|---|--------------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | \$20,000.00        |
| <i>Amount carried forward</i> . . . . .   | <u>\$20,000.00</u> |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 181

|  |             |             |
|--|-------------|-------------|
| <i>Amount brought forward</i> . . . .  | \$20,000.00 |             |
| Armory account, amount transferred . . | 356.21      |             |
|  |             | <hr/>       |
|  |             | \$20,356.21 |

DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid Henry M. Thompson,<br>land . . . . . | \$20,000.00 |             |
| City of Somerville, taxes of<br>1898 . . . . .  | 356.21      |             |
|   |             | <hr/>       |
|   |             | \$20,356.21 |
|   |             | <hr/> <hr/> |

PUBLIC LIBRARY.

CREDIT.

|   |            |             |
|---|------------|-------------|
| Appropriations, amount assessed . . . .   | \$7,500.00 |             |
| Cash, received of County Treas-<br>urer, return on amount<br>received of the city for dog<br>licenses in 1897 . . . . | \$2,268.86 |             |
| John S. Hayes, Librarian, fines   | 43.61      |             |
| Catalogues . . . . .  | 3.20       |             |
| Assistant Librarian, fines . . . . .  | 80.45      |             |
| Catalogues . . . . .  | 4.00       |             |
| Sam Walter Foss, librarian . . . . .  | 313.35     |             |
| Catalogues . . . . .  | 61.01      |             |
| Books . . . . .   | 12.76      |             |
| A. Storrs & Bement Co., error<br>in bill . . . . .  | 3.00       |             |
|   |            | <hr/>       |
|   |            | 2,790.24    |
|   |            | <hr/>       |
|   |            | \$10,290.24 |

DEBIT.

|  |            |             |
|--|------------|-------------|
| Balance from 1897 . . . .                          | \$ 139.01  |             |
| Cash, paid Little, Brown & Co.,<br>books . . . . . | 1,493.20   |             |
| Lee & Shepard, books . . . .                       | 255.30     |             |
|  |            | <hr/>       |
| <i>Amounts carried forward</i> . . . .             | \$1,887.51 | \$10,290.24 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .                         | \$1,887.51 | \$10,290.24 |
| George E. Littlefield, books .                           | 117.67     |             |
| D. Appleton & Co., books .                               | 11.18      |             |
| Helman Taylor Co., books .                               | 5.00       |             |
| American Co-operative News<br>Society, books . . . .     | .50        |             |
| American Book Co., books .                               | 10.88      |             |
| Brookline Historical Pub. Co.,<br>book . . . . .         | 1.00       |             |
| Bureau of American Republics,<br>books . . . . .         | 5.00       |             |
| Cedric Chivers, books . .                                | 53.78      |             |
| Cyclopedia Pub. Co., books .                             | 7.00       |             |
| Dodd, Mead & Co., books .                                | 6.00       |             |
| Joel Munsell & Sons, books .                             | 9.50       |             |
| D. C. Heath & Co., books .                               | 8.28       |             |
| Poet Lore Co., books . . .                               | 1.00       |             |
| Houghton, Mifflin & Co., books                           | 53.49      |             |
| W. R. Bradford, books . . .                              | 5.00       |             |
| Langdon Printing Co., books                              | 1.50       |             |
| Publishers Weekly, books .                               | 14.00      |             |
| Silver, Burdett & Co., books .                           | 1.52       |             |
| Werner Book Co., books . .                               | 4.04       |             |
| A. H. Wood, books . . . .                                | 2.75       |             |
| Bradlee Whidden, books . .                               | 15.40      |             |
| Massachusetts Total Absti-<br>nence Society, books . . . | 1.38       |             |
| Carrie A. Weston, books . .                              | 2.00       |             |
| Flynn & Mahoney, books . .                               | 92.11      |             |
| John Byrne & Co., books . .                              | .50        |             |
| H. A. Howe, books . . . .                                | 3.50       |             |
| Estes & Lauriat, books . . .                             | 37.64      |             |
| W. F. Adams & Co., books . .                             | 5.50       |             |
| Ginn & Co., books . . . . .                              | 46.54      |             |
| Puritan Publishing Co., books                            | 1.50       |             |
| W. B. Clark & Co., books . .                             | 3.00       |             |
| <i>Amounts carried forward</i> .                         | \$2,415.67 | \$10,290.24 |



APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 183

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .                  | \$2,415.67 | \$10,290.24 |
| Harper & Bros., books . . .                       | 1.60       |             |
| Brentano's, books . . . . .                       | .50        |             |
| C. F. Libbie & Co., books . .                     | 261.75     |             |
| J. C. Quinn, books . . . . .                      | 2.00       |             |
| Writer Publishing Co., books .                    | 2.00       |             |
| James A. Wilde & Co., books .                     | 52.34      |             |
| Charities Review, books . . .                     | 2.00       |             |
| New Hampshire College<br>Monthly, books . . . . . | 1.00       |             |
| F. J. Blanchard & Co., books .                    | 1.50       |             |
| W. A. Greenough & Co.,<br>directory . . . . .     | 3.00       |             |
| Sampson, Murdock & Co.,<br>directory . . . . .    | 5.00       |             |
| Cleveland Public Library,<br>index . . . . .      | 5.00       |             |
| Broadway National Bank,<br>draft . . . . .        | 192.51     |             |
| P. B. Sanford, binding books .                    | 720.50     |             |
| F. J. Barnard & Co., binding<br>books . . . . .   | 26.75      |             |
| David Farquhar, binding<br>books . . . . .        | 20.25      |             |
| Library Bureau, supplies . . .                    | 22.50      |             |
| Olive S. Davis, utility pockets .                 | 10.00      |             |
| A. Storrs & Bement Co., cards .                   | 17.50      |             |
| Smith & Anthony Co., re-<br>pairs . . . . .       | 3.40       |             |
| W. F. Eccles, repairs . . . . .                   | 5.25       |             |
| G. F. Matthews, carpentering .                    | 90.45      |             |
| E. A. Parker, labor . . . . .                     | 9.00       |             |
| H. B. Southwick, labor . . . .                    | 2.00       |             |
| W. H. Money, labor . . . . .                      | 12.15      |             |
| O. D. Baker & Co., repairs . .                    | 19.75      |             |
| F. W. Allen & Co., furniture .                    | 33.00      |             |
| <i>Amounts carried forward</i> .                  | \$3,938.37 | \$10,290.24 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .                       | \$3,938.37 | \$10,290.24 |
| Jackson Caldwell & Co., furniture . . . . .            | 11.90      |             |
| C. A. Southwick, labor . . . . .                       | 16.50      |             |
| Joel Goldthwaite & Co., rugs . . . . .                 | 62.39      |             |
| Standard Floor Oil Co., oil . . . . .                  | .60        |             |
| Hinckley & Woods, premium of insurance . . . . .       | 33.75      |             |
| • Charles S. Robertson, premium of insurance . . . . . | 157.50     |             |
| J. Q. Twombly, painting . . . . .                      | 16.73      |             |
| Union Glass Co., globes . . . . .                      | 2.50       |             |
| Thorpe's Express, expressing . . . . .                 | .70        |             |
| London's Express, expressing . . . . .                 | .90        |             |
| Gilman Express Co., expressing . . . . .               | 61.15      |             |
| E. R. Perham, expressing . . . . .                     | 92.68      |             |
| Taylor's Express, expressing . . . . .                 | 43.70      |             |
| Glines' Express, expressing . . . . .                  | 2.40       |             |
| C. M. Blake, newspapers . . . . .                      | 6.00       |             |
| George T. Bailey, newspapers . . . . .                 | 4.92       |             |
| The Sun, newspapers . . . . .                          | 5.40       |             |
| Enoch Robinson, keys . . . . .                         | 5.25       |             |
| H. C. Dimond & Co., stamps . . . . .                   | .83        |             |
| Pettingell-Andrews Co., electric supplies . . . . .    | 3.55       |             |
| Thomas Groom & Co., stationery . . . . .               | 61.90      |             |
| J. E. Hall, stationery . . . . .                       | 4.20       |             |
| Somerville Journal Co., printing . . . . .             | 271.55     |             |
| Somerville Citizen Co., printing . . . . .             | 42.25      |             |
| Cambridge Gaslight Co., gas . . . . .                  | 30.10      |             |
| Somerville Electric Light Co., lighting . . . . .      | 260.37     |             |
| <i>Amounts carried forward</i> .                       | \$5,138.09 | \$10,290.24 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 185

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                         | \$5,138.09  | \$10,290.24 |
| New England Telephone & Telegraph Co., rentals and tolls | 58.52       |             |
| City of Somerville, water .                              | 26.00       |             |
| Wellington-Wild Coal Co., fuel . . . . .                 | 135.58      |             |
| Everett D. Dyer, inspecting boiler . . . . .             | 2.10        |             |
| G. W. Walker, maps . . .                                 | 5.00        |             |
| B. F. Wild & Co., fuel . . .                             | 48 20       |             |
| D. Cutter, repairing clock .                             | 3.75        |             |
| George H. Dickerman, boxes .                             | 14.00       |             |
| Underhill Hardware Co., hardware . . . . .               | 2.15        |             |
| Boston Plate & Window Glass Co., glass . . . . .         | 11.00       |             |
| Charles A. West, disbursements . . . . .                 | 56.25       |             |
| S. Louise Chandler, agent .                              | 34.75       |             |
| Creighton & Clark, agents .                              | 94.61       |             |
| Susan A. Riker, agent . . .                              | 22.04       |             |
| Estate of John S. Hayes, disbursements . . . . .         | 22.45       |             |
| John S. Hayes, librarian .                               | 624.99      |             |
| Sam Walter Foss, librarian .                             | 1,114.09    |             |
| Clara L. Bidwell, assistant librarian . . . . .          | 166.67      |             |
| Adele Smith, assistant librarian                         | 475.02      |             |
| F. Mabel Norcross, cataloguer                            | 450.00      |             |
| Anna L. Stone, assistant .                               | 450.00      |             |
| Mary J. Warren, assistant .                              | 450.00      |             |
| Esther M. Mayhew, assistant .                            | 391.63      |             |
| Mabel Bunker, assistant .                                | 188.61      |             |
| Mary F. Woodman, assistant .                             | 177.90      |             |
| F. E. Kaula, attendant . . .                             | 79.09       |             |
| C. F. Wiggin, attendant . .                              | 27.95       |             |
| <i>Amounts carried forward</i> .                         | \$10,270.44 | \$10,290.24 |

|                                    |             |                    |
|------------------------------------|-------------|--------------------|
| <i>Amounts brought forward</i>     | \$10,270.44 | \$10,290.24        |
| Arthur A. Hills, attendant         | 12.40       |                    |
|                                    | <hr/>       |                    |
|                                    | \$10,282.84 |                    |
| Balance to credit of account, 1899 | 7.40        |                    |
|                                    | <hr/>       |                    |
|                                    |             | <u>\$10,290.24</u> |

## PUBLIC LIBRARY, ISAAC PITMAN FUND.

|                                    |  |                   |
|------------------------------------|--|-------------------|
| CREDIT.                            |  |                   |
| Balance from 1897                  |  | \$1,000.00        |
| DEBIT.                             |  |                   |
| Balance to credit of account, 1899 |  | <u>\$1,000.00</u> |

## PUBLIC PROPERTY.

|   |               |                       |
|---|---------------|-----------------------|
| CREDIT.   |               |                       |
| Balance to debit in account, 1899                         |               | \$2,752,368.55        |
| DEBIT.  |               |                       |
| Property and Debt Balance, prop-<br>erty acquired in 1898 | \$ 114,268.43 |                       |
| Balance from 1897   | 2,638,100.12  |                       |
|   | <hr/>         |                       |
|   |               | <u>\$2,752,368.55</u> |

## REAL ESTATE LIENS.

|  |  |                   |
|--|--|-------------------|
| CREDIT.  |  |                   |
| Cash, received of Sundry Persons, tax titles<br>released |  | \$ 715.62         |
| Balance to 1899  |  | 1,664.60          |
|  |  | <hr/>             |
|  |  | \$2,380.22        |
| DEBIT.   |  |                   |
| Balance from 1897  |  | <u>\$2,380.22</u> |

## REDUCTION OF FUNDED DEBT.

|                                 |  |              |
|---------------------------------|--|--------------|
| CREDIT.                         |  |              |
| Balance from 1897               |  | \$ 6,823.36  |
| Appropriations, amount assessed |  | 155,200.00   |
|                                 |  | <hr/>        |
| <i>Amounts carried forward</i>  |  | \$162,023.36 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 187

|   |   |   |   |           |              |
|---|---|---|---|-----------|--------------|
| <i>Amount brought forward</i>   | . | . | . | .         | \$162,023.36 |
| Water Works Income  | . | . | . | .         | 22,000.00    |
| Cash, received of Thomas P.<br>Beal, Receiver Maverick<br>National Bank | . | . | . | \$ 760.50 |              |
| Boston Five Cents Savings<br>Bank, premium on bonds                     | . |   |   | 9,262.60  |              |
|   |   |   |   | <hr/>     | 10,023.10    |
|   |   |   |   |           | <hr/>        |
|   |   |   |   |           | \$194,046.46 |

DEBIT.

|   |   |   |              |              |
|---|---|---|--------------|--------------|
| Property and Debt Balance,<br>amount of reduction of<br>Funded Debt, 1898 | . | . | \$172,000.00 |              |
| School Teachers' Salaries<br>account, amount transferred                  |   |   | 12,946.83    |              |
| Balance to credit in account, 1899  |   |   | 9,099.63     |              |
|   |   |   | <hr/>        | \$194,046.46 |
|   |   |   |              | <hr/>        |

RELIEF AND BURIAL OF INDIGENT SOLDIERS AND SAILORS.

CREDIT.

|  |   |   |   |             |
|--|---|---|---|-------------|
| Appropriations, amount assessed            | . | . | . | \$9,000.00  |
| Interest account, amount transferred       | . | . | . | 2,000.00    |
| State of Massachusetts, burials            | . | . | . | 455.00      |
| Cash, Sundry Persons, money not called for | . |   |   | 46.00       |
|  |   |   |   | <hr/>       |
|  |   |   |   | \$11,501.00 |

DEBIT.

|  |   |             |             |
|--|---|-------------|-------------|
| Cash, paid monthly pay rolls               | . | \$10,482.00 |             |
| Danvers Lunatic Hospital,<br>board, etc.   | . | 169.47      |             |
| Worcester Lunatic Hospital,<br>board, etc. | . | 169.46      |             |
| Somerville Hospital, board,<br>etc.        | . | 129.00      |             |
|  |   | <hr/>       | <hr/>       |
| <i>Amounts carried forward</i>             | . | \$10,949.93 | \$11,501.00 |



|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                      | \$10,949.93 | \$11,501.00 |
| Alfred E. Mann, services as undertaker . . . . .      | 35.00       |             |
| Francis M. Wilson, services as undertaker . . . . .   | 70.00       |             |
| E. H. Marsh & Son, services as undertaker . . . . .   | 70.00       |             |
| C. H. Lockhart, services as undertaker . . . . .      | 35.00       |             |
| William A. Flaherty, services as undertaker . . . . . | 105.00      |             |
| George F. McKenna, services as undertaker . . . . .   | 35.00       |             |
| M. J. Shea, services as undertaker . . . . .          | 35.00       |             |
| John Bryant, services as undertaker . . . . .         | 70.00       |             |
|   | <hr/>       |             |
|   | \$11,404.93 |             |
| Excess and Deficiency, balance to credit . . . . .    | 96.07       |             |
|   | <hr/>       |             |
|   |             | <hr/> <hr/> |
|   |             | \$11,501.00 |

## SALARIES.

## CREDIT.

|  |             |
|--|-------------|
| Appropriations, amount assessed . . . . .  | \$ 8,000.00 |
| Cash, received of Commonwealth of Massachusetts, national bank and corporation taxes . | 27,463.89   |
|  | <hr/>       |
|  | \$35,463.89 |

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid Albion A. Perry, mayor . . . . .                   | \$2,500.00  |
| George I. Vincent, city clerk .                               | 2,400.00    |
| John F. Cole, city treasurer and collector of taxes . . . . . | 3,200.00    |
|   | <hr/>       |
| <i>Amounts carried forward</i> .                              | \$8,100.00  |
|   | <hr/>       |
|   | \$35,463.89 |

## APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 189

|  |                   |                   |
|--|-------------------|-------------------|
| <i>Amounts brought forward</i> .                           | \$8,100.00        | \$35,463.89       |
| Frank W. Kaan, city solicitor                              | 1,500.00          |                   |
| Charles S. Robertson, city auditor . . . . .               | 500.00            |                   |
| Charles S. Robertson, clerk of common council . . . .      | 300.00            |                   |
| Jairus Mann, city messenger .                              | 1,500.00          |                   |
| William P. Mitchell, clerk of committees . . . . .         | 1,800.00          |                   |
| Albert B. Fales, clerk of assessors . ' . . . .            | 1,600.00          |                   |
| Beulah M. Peirce, assistant to treasurer . . . . .         | 800.00            |                   |
| Alice T. Sleeper, assistant to treasurer . . . . .         | 700.00            |                   |
| Louise B. McLaughlin, assistant to treasurer . . . . .     | 500.00            |                   |
| Clara B. Snow, assistant to city clerk . . . . .           | 700.00            |                   |
| Edith A. Woodman, assistant to city clerk . . . . .        | 500.00            |                   |
| Gertrude G. Kendall, assistant to clerk of assessors . . . | 700.00            |                   |
| Jennie L. Jones, assistant to clerk of assessors . . . .   | 500.00            |                   |
| Frederic W. Cook, assistant to clerk of committees .       | 1,000.00          |                   |
| Lucia A. Manning, assistant to clerk of committees . . .   | 550.00            |                   |
| Frederick C. Fuller, inspector of public buildings . . .   | 1,900.00          |                   |
| Duncan C. Greene, inspector of plumbing . . . . .          | 1,200.00          |                   |
| Charles L. Ellis, deputy collector of taxes . . . . .      | 1,200.00          |                   |
| Charles M. Berry, inspector of animals and provisions .    | 400.00            |                   |
| <i>Amounts carried forward</i> .                           | <hr/> \$25,950.00 | <hr/> \$35,463.89 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .  | \$25,950.00 | \$35,463.89 |
| Charles S. Philbrick, inspector<br>of milk and vinegar . . .                  | 400.00      |             |
| Charles A. Southwick, janitor<br>of City Hall and Public<br>Library . . . . . | 850.00      |             |
| Benjamin F. Thompson,<br>assessor . . . . .                                   | 900.00      |             |
| Nathan H. Reed, assessor .  | 800.00      |             |
| Samuel T. Richards, assessor  | 38.71       |             |
| Harry A. True, assessor .   | 761.29      |             |
| Fred B. Clapp, assistant<br>assessor . . . . .                                | 250.00      |             |
| Charles C. Farrington, assist-<br>ant assessor . . . . .                      | 250.00      |             |
| Edgar T. Mayhew, assistant<br>assessor . . . . .                              | 250.00      |             |
| Frank A. Teele, assistant<br>assessor . . . . .                               | 250.00      |             |
| Cromwell G. Rowell, registrar<br>of voters . . . . .                          | 200.00      |             |
| Charles E. Parks, registrar of<br>voters . . . . .                            | 200.00      |             |
| Charles P. Lincoln, registrar<br>of voters . . . . .                          | 200.00      |             |
| George I. Vincent, registrar of<br>voters . . . . .                           | 200.00      |             |
| George H. Griffin, night jan-<br>itor . . . . .                               | 658.00      |             |
|   | <hr/>       |             |
|   | \$32,158.00 |             |
| Excess and Deficiency, balance to<br>credit of account . . .                  | 3,305.89    |             |
|   | <hr/>       |             |
|   |             | \$35,463.89 |
| <hr/>   |             |             |
| SCHOOL CONTINGENT.  |             |             |
| CREDIT.   |             |             |
| Appropriations, amount assessed . . . .                                       |             | \$18,000.00 |
|   |             | <hr/>       |
| <i>Amount carried forward</i> . . . . .                                       |             | \$18,000.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 191

|  |          |             |
|--|----------|-------------|
| <i>Amount brought forward</i> . . . . .                      |          | \$18,000.00 |
| Cash, received of G. A. Southworth, injury to books, etc.    | \$101.25 |             |
| M. E. Bangs, injury to property                              | 2.00     |             |
| Andrew Waitt, injury to property . . . . .                   | 2.00     |             |
| Osman Gay, injury to property                                | 2.00     |             |
| Robert Scott, injury to property . . . . .                   | 2.00     |             |
| Harriet Moore, tuition of non-resident pupil . . . . .       | 14.00    |             |
| P. L. Curtin, tuition of non-resident pupil . . . . .        | 10.00    |             |
| Clifton Williams, tuition of non-resident pupil . . . . .    | 40.00    |             |
| Benjamin Lamont, tuition of non-resident pupil . . . . .     | 15.00    |             |
| Horace E. Cousins, tuition of non-resident pupil . . . . .   | 60.00    |             |
| George H. Derby, tuition of non-resident pupil . . . . .     | 6.00     |             |
| Franklin Moore, tuition of non-resident pupil . . . . .      | 20.00    |             |
| David Mason, tuition of non-resident pupil . . . . .         | 20.00    |             |
|  | <hr/>    | 294.25      |
| Excess and Deficiency, balance to debit of account . . . . . |          | 1,391.34    |
|  |          | <hr/>       |
|  |          | \$19,685.59 |

DEBIT.

|  |            |             |
|--|------------|-------------|
| Cash, paid Gordon A. Southworth, salary as superintendent of schools . . . . . | \$3,000.00 |             |
| Disbursements . . . . .  | 224.56     |             |
| E. L. Hannay, clerk in Superintendent's office . . . . .                       | 650.00     |             |
|  | <hr/>      |             |
| <i>Amounts carried forward</i> . . . . .                                       | \$3,874.56 | \$19,685.59 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                 | \$3,874.56  | \$19,685.59 |
| Lemuel H. Snow, truant officer                   | 1,000.00    |             |
| Services taking school census . . . . .          | 100.00      |             |
| Disbursements . . . . .                          | 21.10       |             |
| Jairus Mann, truant officer .                    | 50.00       |             |
| Ginn & Co., books . . . . .                      | 1,489.78    |             |
| American Book Co., books .                       | 819.42      |             |
| Leach, Shewell & Co., books .                    | 785.07      |             |
| D. C. Heath & Co., books .                       | 236.31      |             |
| Edward E. Babb & Co., books                      | 143.91      |             |
| Allyn & Bacon, books . . . .                     | 241.01      |             |
| Silver, Burdett & Co., books .                   | 728.58      |             |
| University Pub. Co., books .                     | 141.36      |             |
| DeWolfe, Fiske & Co., books                      | 68.01       |             |
| Benjamin H. Sanborn & Co., books . . . . .       | 20.99       |             |
| Harper Bros., books . . . . .                    | 51.00       |             |
| Mary A. Chandler, books . . .                    | 30.00       |             |
| Lee & Shepard, books . . . . .                   | 28.80       |             |
| F. S. Blanchard & Co., books .                   | 1.50        |             |
| Houghton, Mifflin & Co., books                   | 202.07      |             |
| Eldridge & Bro., books . . . .                   | 11.00       |             |
| Lothrop Pub. Co., books . . . .                  | 91.55       |             |
| T. H. Castor & Co., books . . .                  | 35.97       |             |
| Charles Scribner's Sons, books                   | 27.90       |             |
| New England Pub. Co., books                      | 17.50       |             |
| W. A. Greenough & Co., directory . . . . .       | 3.00        |             |
| Thorp & Martin Mfg. Co., blank books . . . . .   | 4.65        |             |
| F. J. Barnard & Co., binding books . . . . .     | 77.40       |             |
| David Farquhar, binding books                    | 571.97      |             |
| Harvard University, examination papers . . . . . | 4.35        |             |
| <i>Amounts carried forward</i> .                 | \$10,878.76 | \$19,685.59 |



APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 193

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                            | \$10,878.76 | \$19,685.59 |
| A. J. Wilkinson, supplies .                                 | 68.56       |             |
| Chandler & Barber, supplies .                               | 7.48        |             |
| George H. Furbish, supplies .                               | 10.00       |             |
| E. W. Tuttle, supplies . . .                                | 7.69        |             |
| Mary T. Carnick, supplies .                                 | 10.00       |             |
| Pulsifer, Cook & Co., supplies                              | 67.40       |             |
| Prang Educational Co., sup-<br>plies . . . . .              | 5.96        |             |
| Frost & Adams Co., supplies .                               | 10.15       |             |
| Wadsworth, Howland & Co.,<br>supplies . . . . .             | 304.49      |             |
| John M. Woods & Co., sup-<br>plies . . . . .                | 123.78      |             |
| L. E. Knott Apparatus Co.,<br>laboratory supplies . . . .   | 315.48      |             |
| Ziegler Electrical Co., labora-<br>tory supplies . . . . .  | 37.70       |             |
| Thomas Hollis & Co., labora-<br>tory supplies . . . . .     | 13.83       |             |
| Dame, Stoddard & Kendall,<br>supplies . . . . .             | 37.53       |             |
| Mitchell Mfg. Co., supplies .                               | .35         |             |
| Ellis Publishing Co., supplies                              | 69.85       |             |
| E. T. Curtis, supplies . . . .                              | 69.07       |             |
| Gilman Square Fish Market,<br>supplies . . . . .            | 5.66        |             |
| W. A. Chadwick, supplies . .                                | 2.50        |             |
| Chandler Adjustable Chair and<br>Desk Co., supplies . . . . | 1.20        |             |
| Boston School Supply Co.,<br>supplies . . . . .             | 103.97      |             |
| Greenough, Adams & Cushing,<br>supplies . . . . .           | 2,587.54    |             |
| George F. King & Co., sup-<br>plies . . . . .               | 1,714.42    |             |
| <i>Amounts carried forward</i> .                            | \$16,453.37 | \$19,685.59 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i>                                     | \$16,453.37 | \$19,685.59 |
| M. L. King, supplies . . . .                                       | 7.75        |             |
| The Morse Co., supplies . . . .                                    | 5.33        |             |
| George S. Perry & Co., ink-wells . . . . .                         | 31.25       |             |
| J. L. Hammett & Co., supplies . . . .                              | 410.51      |             |
| R. H. White & Co., supplies . . . .                                | 6.80        |             |
| George H. Dickerman, supplies . . . .                              | 6.50        |             |
| Suffolk Ink Co., ink . . . .                                       | 1.20        |             |
| Clark Ink Co., ink . . . .   | 4.80        |             |
| Clark Mfg. Co., ink . . . .  | 43.60       |             |
| Eagle Pencil Co., pencils . . . .                                  | 8.75        |             |
| F. S. Webster & Co., type-writer supplies . . . . .                | 8.25        |             |
| Charles B. Palmer, typewriter supplies . . . . .                   | 21.00       |             |
| Wyckoff, Seamans & Benedict, typewriter, etc. . . . .              | 141.17      |             |
| United Typewriter & Supply Co., typewriter supplies . . . .        | 7.00        |             |
| Smith Premier Typewriter Co., typewriters and repairs . . . .      | 159.85      |             |
| Ivers & Pond, pianos . . . .                                       | 500.00      |             |
| C. A. Watrous, book covers . . . .                                 | 115.00      |             |
| Holden Patent Book Cover Co., covers . . . . .                     | 3.14        |             |
| John C. Haynes & Co., pitch pipes . . . . .                        | 12.60       |             |
| Somerville Journal Co., printing . . . . .                         | 308.28      |             |
| Somerville Citizen Co., printing . . . . .                         | 238.82      |             |
| American Printing and Engraving Co., printing . . . .              | 63.90       |             |
| New England Telephone & Telegraph Co., rentals and tolls . . . . . | 125.73      |             |
| <i>Amounts carried forward</i> . . . .                             | \$18,684.60 | \$19,685.59 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 195

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                     | \$18,684.60 | \$19,685.59 |
| E. S. Daniels, tuning pianos .                       | 9.00        |             |
| B. F. Freeman, photographs .                         | 4.00        |             |
| A. W. Mitchell Mfg. Co.,<br>stamps . . . . .         | 3.10        |             |
| Blodgett Bros. & Co., repairs<br>of clocks . . . . . | 15.30       |             |
| Wakefield Rattan Co., furni-<br>ture . . . . .       | 18.95       |             |
| E. F. Andrews & Co., supplies                        | 3.25        |             |
| G. F. Greenleaf & Co., supplies                      | 5.00        |             |
| Dennison Mfg. Co., supplies .                        | 7.90        |             |
| William Ware & Co., supplies                         | 103.25      |             |
| W. N. Goddard, supplies .                            | 22.00       |             |
| George B. Fraser, supplies .                         | 23.92       |             |
| S. A. Johnson, disbursements                         | 7.33        |             |
| Charles E. Brainard, disburse-<br>ments . . . . .    | 10.39       |             |
| Harlan P. Knight, disburse-<br>ments . . . . .       | 26.28       |             |
| George M. Wadsworth, dis-<br>bursements . . . . .    | 7.03        |             |
| Boston Bank Note Co., diplo-<br>mas . . . . .        | 112.25      |             |
| C. W. Clement, filling in diplo-<br>mas . . . . .    | 77.70       |             |
| G. R. Fiske & Co., ribbon .                          | 50.60       |             |
| First M. E. Church, use of edi-<br>fice . . . . .    | 125.00      |             |
| Robert S. McArthur, address .                        | 50.00       |             |
| Thomas Van Ness, address .                           | 25.00       |             |
| L. E. Brown, refreshments .                          | 73.16       |             |
| E. E. Whitehouse, expressing                         | 94.30       |             |
| E. R. Perham, expressing .                           | 1.10        |             |
| Gilman Express Co., expressing                       | 1.55        |             |
| Glines & Co., expressing .                           | 17.45       |             |
| <i>Amounts carried forward</i> .                     | \$19,579.41 | \$19,685.59 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                | \$19,579.41 | \$19,685.59 |
| J. H. Grundy, expressing .                      | 17.25       |             |
| R. A. R. Benson, expressing .                   | 28.60       |             |
| London's Express Co., express-<br>ing . . . . . | 60.33       |             |
|   | <hr/>       | <hr/> <hr/> |
|   |             | \$19,685.59 |

## SCHOOL CONTINGENT, JANITORS' SALARIES.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . .                       | \$17,000.00 |
| Excess and Deficiency, balance to debit of<br>account . . . . . | 372.58      |
|   | <hr/>       |
|   | \$17,372.58 |

## DEBIT.

|  |             |
|--|-------------|
| Cash, paid Janitors' salaries as per pay rolls . | <hr/> <hr/> |
|  | \$17,372.58 |

## SCHOOL FUEL.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . . | \$10,000.00 |
|---|-------------|

## DEBIT.

|  |             |
|--|-------------|
| Cash, paid Horatio Wellington<br>& Co., fuel . . . . .           | \$1,391.21  |
| Wellington - Wild Coal Co.,<br>fuel . . . . .                    | 6,110.80    |
| B. F. Wild & Co., fuel . . . . .                                 | 2,254.82    |
| Somerville Citizen Co., adver-<br>tising . . . . .               | 4.50        |
| Somerville Journal Co., adver-<br>tising . . . . .               | 4.25        |
|  | <hr/>       |
|  | \$9,765.58  |
| Excess and Deficiency, balance<br>to credit of account . . . . . | 234.42      |
|  | <hr/> <hr/> |
|  | \$10,000.00 |

## SCHOOLHOUSE, BURNS ADDITION.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . | \$12,000.00 |
|---|-------------|

## DEBIT.

|                           |                    |
|---------------------------|--------------------|
| Balance to 1899 . . . . . | <u>\$12,000.00</u> |
|---------------------------|--------------------|

## SCHOOLHOUSE, ENGLISH HIGH.

## CREDIT.

|   |                   |
|---|-------------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . | \$1,000.00        |
| Cash, received of Schoolhouse Incidentals account, gas fixtures . . . . .     | 114.30            |
|   | <u>\$1,114.30</u> |

## DEBIT.

|  |                   |
|--|-------------------|
| Cash, paid Hatch & Farnum, furniture . . . . . | \$236.00          |
| Whitman & Couch, telephone . . . . .           | 309.00            |
| E. A. Drowne & Co., fixtures . . . . .         | 25.00             |
| G. F. Matthews, carpentering . . . . .         | 379.30            |
| A. A. Sanborn, heating apparatus . . . . .     | 165.00            |
|  | <u>\$1,114.30</u> |

## SCHOOLHOUSE INCIDENTALS.

## CREDIT.

|   |                    |
|---|--------------------|
| Appropriations, amount assessed . . . . .                     | \$17,000.00        |
| Cash, received of Northern Assurance Co., insurance . . . . . | \$54.89            |
| Phoenix Assurance Co., insurance . . . . .                    | 48.27              |
| Provident Washington Insurance Co., insurance . . . . .       | 32.93              |
| <i>Amounts carried forward . . . . .</i>                      | <u>\$136.09</u>    |
|   | <u>\$17,000.00</u> |



|   |          |             |
|---|----------|-------------|
| <i>Amounts brought forward</i> .                      | \$136.09 | \$17,000.00 |
| Agricultural Insurance Co., insurance . . . . .       | 43.23    |             |
| Norwich Union Fire Insurance Co., insurance . . . . . | 43.24    |             |
| Ætna Insurance Co., insurance . . . . .               | 27.44    |             |
| Mrs. M. E. Bangs, damage to furniture . . . . .       | 1.00     |             |
| Andrew Waitt, damage to furniture . . . . .           | 1.00     |             |
| Osmand Gay, damage to furniture . . . . .             | 1.00     |             |
| Robert Scott, damage to furniture . . . . .           | 1.00     |             |
| A. A. Sanborn, pipe and fittings, not used . . . . .  | 9.31     |             |
| Highways account, sand . . . . .                      | 50 00    |             |
|   |          | 313.31      |

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\$17,313.31

## DEBIT.

|  |            |             |
|--|------------|-------------|
| Cash, paid Walter A. Berry, carpentering . . . . . | \$1,360.85 |             |
| Frank A. Fuller & Co., carpentering . . . . .      | 699.97     |             |
| Warren Hallett, carpentering . . . . .             | 782.17     |             |
| George F. Matthews, carpentering . . . . .         | 456.15     |             |
| T. F. Farrington, carpentering . . . . .           | 316.27     |             |
| James Simpson, carpentering . . . . .              | 97.50      |             |
| A. M. Waining, carpentering . . . . .              | 132.50     |             |
| G. D. B. Robinson, carpentering . . . . .          | 55.40      |             |
| James H. Chase, carpentering . . . . .             | 39.37      |             |
| Harris P. Tibbetts, carpentering . . . . .         | 22.95      |             |
| <i>Amounts carried forward</i> .                   | \$3,963.13 | \$17,313.31 |

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .                          | \$3,963.13 | \$17,313.31 |
| Howe & Flint, repairing heating apparatus . . . .         | 682.80     |             |
| A. A. Sanborn, repairing heating apparatus . . . .        | 808.83     |             |
| J. W. Johnson, repairing heating apparatus . . . .        | 108.00     |             |
| Johnson Electric Service Co., repairing heating apparatus | 41.06      |             |
| Charles E. Berry, repairing heating apparatus . . . .     | 3.10       |             |
| Braman, Dow & Co., repairing heating apparatus . . . .    | 35.00      |             |
| B. F. Sturtevant Co., repairs of engine . . . . .         | 18.60      |             |
| Walworth Mfg. Co., flue cleaners . . . . .                | 2.40       |             |
| James Deacon, painting . . . .                            | 4.00       |             |
| J. Q. Twombly, painting . . . .                           | 103.68     |             |
| M. J. Goodwin, painting . . . .                           | 547.35     |             |
| G. A. Walker, painting . . . .                            | 677.17     |             |
| Arthur C. Gordon, painting . . . .                        | 2.50       |             |
| E. B. Jones, setting glass . . . .                        | 91.40      |             |
| R. C. Burckes, setting glass . . . .                      | 16.62      |             |
| James Rawson, setting glass . . . .                       | 6.72       |             |
| J. F. Berton, setting glass . . . .                       | 1.75       |             |
| W. J. Fermoye, setting glass . . . .                      | 6.50       |             |
| Armstrong Bros., plumbing . . . .                         | 11.84      |             |
| James F. Davlin, plumbing . . . .                         | 4.11       |             |
| J. A. Durell, plumbing . . . .                            | 212.60     |             |
| John A. Merrifield, plumbing . . . .                      | 44.50      |             |
| Elmer S. Stack, plumbing . . . .                          | 20.90      |             |
| Charles A. Holmes, plumbing . . . .                       | 47.08      |             |
| George W. Tibbetts, plumbing . . . .                      | 42.70      |             |
| W. L. Snow, plumbing . . . .                              | 84.24      |             |
| James H. Adcock, plumbing . . . .                         | 42.85      |             |
| <i>Amounts carried forward</i> .                          | \$7,631.43 | \$17,313.31 |

|   |                    |                    |
|---|--------------------|--------------------|
| <i>Amounts brought forward</i> .                        | \$7,631.43         | \$17,313.31        |
| Donnelly & Co., plumbing .                              | 7.05               |                    |
| W. E. Plumer & Co., hardware                            | 252.07             |                    |
| E. S. Sparrow & Co., hardware                           | 84.54              |                    |
| Underhill Hardware Co., hardware . . . . .              | 190.60             |                    |
| Whitney & Snow, hardware .                              | 270.36             |                    |
| Cambridge Hardware Co., hardware . . . . .              | 13.03              |                    |
| Chandler & Farquhar, hardware . . . . .                 | 1.27               |                    |
| J. E. Parsons, plumbing . . . . .                       | 1.90               |                    |
| T. A. Sallaway, glass . . . . .                         | 9.46               |                    |
| I. H. Brown Moulding Co., lumber . . . . .              | 42.65              |                    |
| William H. Wood & Co., lumber . . . . .                 | 127.52             |                    |
| Thomas W. Gleeson, electrical supplies . . . . .        | 61.04              |                    |
| Pettingell - Andrews Co., electrical supplies . . . . . | 44.13              |                    |
| Blodgett Bros. & Co., electrical supplies . . . . .     | 3.70               |                    |
| A. E. Rowe, electrical supplies                         | 4.30               |                    |
| J. W. Mess, electric work .                             | 6.00               |                    |
| Barbour, Stockwell Co., repairs of motor . . . . .      | 12.00              |                    |
| Thomas Dowd, plastering .                               | 393.80             |                    |
| B. E. Higgins, plastering . .                           | 30.75              |                    |
| L. C. Seavey, roofing . . . .                           | 261.59             |                    |
| Alfred H. Hines, mason work .                           | 85.10              |                    |
| D. P. Bucknam, mason work .                             | 41.50              |                    |
| J. J. Ryan, mason work . . .                            | 10.00              |                    |
| Chandler Adjustable Chair & Desk Co., furniture . . .   | 1,059.63           |                    |
| F. W. Allen & Co., furniture .                          | 99.60              |                    |
| <i>Amounts carried forward</i> .                        | <u>\$10,745.02</u> | <u>\$17,313.31</u> |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                             | \$10,745.02 | \$17,313.31 |
| Allen - Thompson - Whitney<br>Co., furniture . . . . .       | 151.50      |             |
| P. Derby & Co., furniture . . . . .                          | 10.00       |             |
| W. F. Flemming, repairs of<br>furniture . . . . .            | 6.90        |             |
| Jackson Caldwell & Co., re-<br>pairs of furniture . . . . .  | 1.25        |             |
| Holland & Daniels, shades . . . . .                          | 90.25       |             |
| William E. Daniels, shades . . . . .                         | 471.64      |             |
| J. E. Bell, blackboard . . . . .                             | 353.42      |             |
| William McElivain, repairs of<br>blackboard . . . . .        | 17.20       |             |
| Charles A. Austin & Co.,<br>brushes . . . . .                | 29.00       |             |
| Jordan & Christie, brushes . . . . .                         | 8.50        |             |
| Murphy, Leavens & Co.,<br>brushes . . . . .                  | 125.50      |             |
| W. G. Hallock, dusters . . . . .                             | 4.00        |             |
| Boston Feather Duster Co.,<br>dusters . . . . .              | 71.48       |             |
| Greenwood & Co., mat . . . . .                               | 7.09        |             |
| Shepard & Samuels, sponges,<br>etc. . . . .                  | 108.00      |             |
| John H. Pray, Sons & Co.,<br>carpets . . . . .               | 308.66      |             |
| E. A. Drowne & Co., gas<br>fixtures . . . . .                | 250.85      |             |
| Schoolhouse, English High<br>account, gas fixtures . . . . . | 114.30      |             |
| Jarvis Engineering Co., grates . . . . .                     | 16.80       |             |
| A. M. Prescott, door straps . . . . .                        | 1.00        |             |
| George W. Manning, labor on<br>flagstaffs . . . . .          | 92.10       |             |
| F. D. Weld, flagstaff . . . . .                              | 3.00        |             |
| G. P. Richardson, flags . . . . .                            | 90.00       |             |
| <i>Amounts carried forward</i> .                             | \$13,077.46 | \$17,313.31 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                      | \$13,077.46 | \$17,313.31 |
| E. W. Richardson, flag . . . .                        | 15.00       |             |
| Support of Poor account, flag .                       | 18.00       |             |
| Mrs. J. T. Frost, repairing flag                      | 4.19        |             |
| O. S. Merry, repairing flag . . .                     | 30.69       |             |
| W. H. Bullard, oil . . . . .                          | .55         |             |
| P. Sutherland & Co., oil . . . .                      | 6.90        |             |
| Clark, Brown & Co., oil . . . .                       | 43.70       |             |
| Patrick Bowdren, care of lawn                         | 132.25      |             |
| F. S. Cummings, grading . . . .                       | 4.00        |             |
| H. A. Pestell, paperhanging . .                       | 1.00        |             |
| William F. Eccles, cleaning<br>carpet . . . . .       | 7.16        |             |
| Albert C. Lyman, cleaning<br>carpet . . . . .         | 3.95        |             |
| Murdock Parlor Grate Co.,<br>tablets . . . . .        | 60.00       |             |
| Boston Blower Co., repairs of<br>ventilator . . . . . | 19.60       |             |
| W. M. Hadley, lime . . . . .                          | 1.00        |             |
| Cornelius Callahan Co., gong .                        | 13.00       |             |
| Moulton C. Libbey, clocks, etc.                       | 142.30      |             |
| Fred W. Farrar, repairing<br>clocks . . . . .         | 28.00       |             |
| H. Wood, keys . . . . .                               | 29.45       |             |
| Fred L. Pulsifer, repairs of<br>lock . . . . .        | 4.25        |             |
| M. F. Underwood, repairs of<br>lock . . . . .         | 8.75        |             |
| A. J. Wilkinson & Co., tools .                        | 58.00       |             |
| Seward Dodge, repairs of tools                        | 3.10        |             |
| Charles L. Underhill, repairs<br>of tools . . . . .   | 11.20       |             |
| D. P. Pierce, removing brown-<br>tail moths . . . . . | 28.75       |             |
| Arthur W. Berry, expenses of<br>committee . . . . .   | 6.22        |             |
| <i>Amounts carried forward</i> .                      | \$13,758.47 | \$17,313.31 |



|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .  | \$13,758.47 | \$17,313.31 |
| R. M. Johnson, cleaning vault   | 12.00       |             |
| John Silk, loam . . . .   | 24.00       |             |
| M. J. Coneeny, sods . . .   | 14.80       |             |
| William S. Ward, supplies .   | 2.63        |             |
| William H. Waterfall, refresh-<br>ments . . . . .                               | 13.50       |             |
| William A. Muller, premium<br>of insurance . . . . .                            | 150.00      |             |
| W. V. T. Hinckley, premium<br>of insurance . . . . .                            | 75.00       |             |
| Harry A. True, premium of<br>insurance . . . . .                                | 75.00       |             |
| Frank A. Teele, premium of<br>insurance . . . . .                               | 75.00       |             |
| O. H. Perry & Co., premium<br>of insurance . . . . .                            | 75.00       |             |
| Hartford Steam Boiler Inspec-<br>tion and Insurance Co.,<br>insurance . . . . . | 50.00       |             |
| A. B. Colesworthy, labor .  | 24.00       |             |
| J. W. Rich, labor . . . .   | 111.75      |             |
| William Butler, labor . . .   | 20.00       |             |
| N. L. Pennock, labor . . .  | 5.00        |             |
| B. F. Sheridan, sawdust . .   | 2.65        |             |
| Howard Lowell & Son, carriage<br>hire . . . . .                                 | 10.00       |             |
| J. H. Thompson, carriage hire   | 15.00       |             |
| City of Boston, water . . .   | 357.30      |             |
| City of Somerville, water .   | 911.01      |             |
| City of Somerville, Sidewalk<br>assessment . . . . .                            | 59.34       |             |
| Cambridge Gaslight Co., gas .   | 661.95      |             |
| Charlestown Gas & Electric<br>Co., gas . . . . .                                | 157.68      |             |
| Somerville Electric Light Co.,<br>lighting . . . . .                            | 210.15      |             |
| <i>Amounts carried forward</i> .  | \$16,871.23 | \$17,313.31 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                             | \$16,871.23 | \$17,313.31 |
| E. R. Perham, expressing .                                   | .30         |             |
| Glines & Co., expressing .                                   | 15.44       |             |
| R. A. R. Benson, expressing .                                | 47.10       |             |
| George T. Day, expressing .                                  | 1.65        |             |
| M. G. Staples, expressing .                                  | 19.88       |             |
|  | <hr/>       |             |
|  | \$16,955.60 |             |
| Excess and Deficiency, balance<br>to credit of account . . . | 357.71      |             |
|  | <hr/>       | \$17,313.31 |
|  |             | <hr/>       |

### SCHOOLHOUSE, PRESCOTT, HEATING AND VENTILATING.

#### CREDIT.

|   |            |
|---|------------|
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | \$6,000.00 |
|---|------------|

#### DEBIT.

|   |            |
|---|------------|
| Cash, paid Alexander Duncan & Co., on account of contract for heating and ventilating apparatus . . . . . | \$3,000.00 |
| A. A. Sanborn, plans, etc. . . . .  | 165.27     |
| Jarvis Engineering Co., mason work . . . . .  | 54.37      |
| B. E. Higgins, plastering . . . . .   | 139.92     |
| J. E. Parsons, plumbing . . . . .   | 69.92      |
| Water Maintenance account, service pipe . . . . .   | 86.75      |
|   | <hr/>      |
|   | \$3,516.23 |
| Balance to credit of account, 1899 . . . . .  | 2,483.77   |
|   | <hr/>      |
|   | \$6,000.00 |
|   | <hr/>      |

### SCHOOLHOUSE, LAND IN WARD TWO.

#### CREDIT.

|   |         |
|---|---------|
| Balance from 1897 . . . . .             | \$94.75 |
|   | <hr/>   |
| <i>Amount carried forward</i> . . . . . | \$94.75 |

*Amount brought forward* . . . . . \$94.75

## DEBIT.

|   |         |         |
|---|---------|---------|
| Cash, paid Joseph J. Giles, Agt.,<br>part payment on account of<br>land and buildings . . . | \$94.00 |         |
| Excess and Deficiency, balance<br>to credit of account . . .                                | .75     | \$94.75 |

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## SCHOOLHOUSE, WARD TWO.

## CREDIT.

|  |         |             |
|--|---------|-------------|
| Appropriations, amount appropriated by borrow-<br>ing on Funded Debt account . . . |         | \$34,000.00 |
| Armory account, amount transferred . . .   |         | 4,000.00    |
| Cash, received of Thomas Kilroy,<br>old building . . . . .                         | \$50.00 |             |
| Michael Haley, old building . . . . .  | 20.00   |             |
|  |         | 70.00       |
|  |         | \$38,070.00 |

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## DEBIT.

|   |            |             |
|---|------------|-------------|
| Cash, paid Charles T. Flagg,<br>Henry D. Flagg, Emily F.<br>Willcome, Elizabeth Sim-<br>mons, and Florence A. M.<br>Thayer for land on Wash-<br>ington street . . . . . | \$9,122.00 |             |
| Prescott & Sidebottom, ser-<br>vices as architects . . . . .  | 582.50     |             |
| S. L. Cummings, disburse-<br>ments . . . . .  | 3.50       |             |
| City of Somerville, tax of 1898 . . . . .   | 139.53     |             |
| C. Caseau, painting signs . . . . .   | 1.00       |             |
|   | \$9,848.53 |             |
| Balance to credit in account,<br>1899 . . . . .   | 28,221.47  | \$38,070.00 |

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## SCHOOLHOUSE, SPRING HILL DISTRICT.

## CREDIT.

|   |             |
|---|-------------|
| Balance from 1897 . . . . .   | \$32,920.57 |
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | 6,000.00    |
| Sewers, Construction account, amount transferred . . . . .                        | 600.00      |
| Armory account, amount transferred . . . . .                                      | 521.03      |
|   | <hr/>       |
|   | \$40,041.60 |

## DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid W. L. Clark & Co., on account of contract . . . . .        | \$27,330.00 |             |
| Extra work . . . . .  | 1,468.89    |             |
| A. A. Sanborn, on account of contract for heating apparatus . . . . . | 5,715.00    |             |
| Aaron H. Gould, services as architect . . . . .                       | 874.32      |             |
| Alfred H. Hines, mason work . . . . .                                 | 225.72      |             |
| Charles A. Kelley, laying sewer . . . . .                             | 71.70       |             |
| Craig & Conley, plumbing . . . . .                                    | 27.00       |             |
| George D. Goodrich, drain pipe . . . . .                              | 49.92       |             |
| John Harrington, stone steps . . . . .                                | 160.00      |             |
| C. A. Southwick, labor . . . . .                                      | 2.00        |             |
| T. Allen, concreting . . . . .  | 282.26      |             |
| M. J. Coneeny, grading . . . . .                                      | 257.50      |             |
| Walter A. Berry, fence . . . . .                                      | 102.95      |             |
| Cambridge Gaslight Co., gas pipe . . . . .                            | 24.46       |             |
| E. A. Drowne & Co., gas fixtures . . . . .                            | 83.05       |             |
| William E. Daniels, shades . . . . .                                  | 169.56      |             |
| J. E. Bell, blackboard . . . . .                                      | 28.60       |             |
|   | <hr/>       |             |
| <i>Amounts carried forward</i> . . . . .                              | \$36,872.93 | \$40,041.60 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                         | \$36,872.93 | \$40,041.60 |
| F. W. Allen & Co., furniture .                           | 423.75      |             |
| Chandler Adjustable Chair &<br>Desk Co., furniture . . . | 2,433.50    |             |
| P. Derby & Co., furniture .                              | 36.00       |             |
| Sewers, Maintenance account,<br>laying drain . . . . .   | 144.43      |             |
| City of Somerville, Sidewalk<br>assessment . . . . .     | 69.60       |             |
| Highways account, edgestones                             | 37.59       |             |
| Sidewalks account, labor, etc.                           | 23.80       |             |
|  | <hr/>       | <hr/> <hr/> |
|  |             | \$40,041.60 |

## SCHOOL TEACHERS' SALARIES.

## CREDIT.

|   |              |
|---|--------------|
| Appropriations, amount assessed . . . . .                         | \$190,000.00 |
| Reduction of Funded Debt account, amount<br>transferred . . . . . | 12,946.83    |
|   | <hr/>        |
|   | \$202,946.83 |

## DEBIT.

|  |              |
|--|--------------|
| Cash, paid salaries as per pay rolls . . . . . | \$202,946.83 |
|  | <hr/> <hr/>  |

## SEWER ASSESSMENTS.

## CREDIT.

|   |             |
|---|-------------|
| Cash, received of Sundry Persons . . . . .  | \$11,500.87 |
| Sewers, Construction account, abatements .  | 124.89      |
| Balance to debit in account, 1899 . . . . . | 7,435.90    |
|   | <hr/>       |
|   | \$19,061.66 |

## DEBIT.

|   |             |
|---|-------------|
| Balance from 1897 . . . . .                                   | \$ 7,954.62 |
| Sewers, Construction account,<br>assessments levied . . . . . | 11,107.04   |
|   | <hr/>       |
|   | \$19,061.66 |



## SEWERS, CONSTRUCTION.

## CREDIT.

|  |         |                    |
|--|---------|--------------------|
| Balance from 1897 . . . . .  |         | \$19,274.35        |
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .                    |         | 25,000.00          |
| Water Works Income account, amount appropriated . . . . .  |         | 67,280.96          |
| Sewer Assessments, assessments levied . . . . .  |         | 11,107.04          |
| Cash, received of David W. Crocker, proportionate part of constructing sewer in Day street . . . . . | \$50.00 |                    |
| Edward D. Hadley, draining lot into Line street sewer . . . . .                                      | 33.54   |                    |
| Charles A. Kelley, manhole frame and cover . . . . .   | 6.33    |                    |
| Sidewalks account, edgestones . . . . .  | 10.62   |                    |
| Highways account, recording releases . . . . .   | 6.87    |                    |
|  |         | <hr/> 107.36       |
|  |         | <hr/> \$122,769.71 |

## DEBIT.

|   |             |              |
|---|-------------|--------------|
| Cash, paid laborers . . . . .                 | \$6,434.88  |              |
| George D. Goodrich, drain pipe . . . . .      | 1,818.59    |              |
| Portland Stone Ware Co., drain pipe . . . . . | 2,340.25    |              |
| D. W. Lewis, cement . . . . .                 | 176.25      |              |
| Waldo Bros., cement . . . . .                 | 412.72      |              |
| Berry & Ferguson, cement . . . . .            | 65.80       |              |
| W. A. Sanborn, bricks . . . . .               | 440.79      |              |
| Osgood & Hart, castings . . . . .             | 950.23      |              |
| Barbour, Stockwell & Co., castings . . . . .  | 59.00       |              |
| Williams Table & Lumber Co., lumber . . . . . | 25.16       |              |
|   |             | <hr/>        |
| <i>Amounts carried forward</i> . . . . .      | \$12,723.67 | \$122,769.71 |

|  |             |              |
|--|-------------|--------------|
| <i>Amounts brought forward</i> .                       | \$12,723.67 | \$122,769.71 |
| F. C. Ayer, lumber . . . . .                           | 86.12       |              |
| Charles E. Berry, chutes . . . . .                     | 30.00       |              |
| H. W. Covell, plumbing . . . . .                       | 16.88       |              |
| J. A. Durell, hardware . . . . .                       | 7.17        |              |
| Whitney & Snow, hardware . . . . .                     | 1.26        |              |
| Charles L. Underhill, black-smithing . . . . .         | 57.20       |              |
| J. B. Rufer, blacksmithing . . . . .                   | 10.85       |              |
| T. F. Colliton, blacksmithing . . . . .                | 2.00        |              |
| Park Bros., cement . . . . .                           | 21.80       |              |
| Fitchburg Railroad Co., ties . . . . .                 | 3.00        |              |
| Middlesex Registry of Deeds, recording . . . . .       | 11.40       |              |
| Thomas Groom & Co., books . . . . .                    | 17.75       |              |
| Somerville Citizen Co., advertising . . . . .          | 24.00       |              |
| Somerville Journal Co., advertising . . . . .          | 136.00      |              |
| Mechanics Iron Foundry Co., manhole covers . . . . .   | 69.63       |              |
| Chelmsford Foundry Co., beams . . . . .                | 13.66       |              |
| Metropolitan Water Board, raising water pipe . . . . . | 739.46      |              |
| G. F. Matthews, carpentering . . . . .                 | 104.76      |              |
| Mrs. L. F. Bowker, repairing drain . . . . .           | 11.85       |              |
| John Burns, compensation for damages . . . . .         | 450.00      |              |
| Charles H. Swan, professional services . . . . .       | 78.00       |              |
| Geo. O. W. Servis, photographs . . . . .               | 48.55       |              |
| Clark & Quilty, sand . . . . .                         | 13.60       |              |
| M. A. Simpson, sand . . . . .                          | 14.50       |              |
| <i>Amounts carried forward</i> .                       | \$14,693.11 | \$122,769.71 |

|   |             |              |
|---|-------------|--------------|
| <i>Amounts brought forward</i> .  | \$14,693.11 | \$122,769.71 |
| James Tevlin, teaming . . . .   | 407.89      |              |
| E. W. Danforth, car fares, etc.   | 30.75       |              |
| Edgar H. Hunter, car fares, etc.  | 14.90       |              |
| James D. Fallon, car fares, etc.  | 8.10        |              |
| Ernest W. Burckes, rent of<br>shed . . . . .  | 18.00       |              |
| M. F. Underwood, keys . . . .   | .45         |              |
| I. B. Walker, steps . . . . .   | 6.00        |              |
| Sewers, Maintenance account,<br>lumber . . . . .  | 21.44       |              |
| Water, Maintenance account,<br>iron pipe . . . . .  | 96.09       |              |
| Highways account, setting<br>circle . . . . .   | 6.50        |              |
| Thomas H. Bryne, storm-water<br>drain in Broadway and Cross<br>street . . . . .   | 13,885.53   |              |
| Daniel A. Dorey & Co., storm-<br>water drain in Winthrop<br>avenue . . . . .  | 5,354.90    |              |
| C. E. Trumbull & Co., storm-<br>water drain in Sherman ct.,<br>Marshall street, Gilman sq.,<br>and Medford street . . . . | 17,845.73   |              |
| C. E. Trumbull & Co., storm-<br>water drain in Union sq.,<br>Bow and Summer streets . .                                   | 16,012.48   |              |
| C. E. Trumbull & Co., sewer<br>in Somerville avenue . . . .   | 8,239.00    |              |
| C. E. Trumbull & Co., sewer<br>in Day street . . . . .  | 237.35      |              |
| Timothy F. Crimmings, sewer<br>in Somerville avenue . . . .   | 3,486.58    |              |
| Charles A. Mongan, sewer in<br>Packard and Electric ave-<br>nues . . . . .  | 221.36      |              |
| <i>Amounts carried forward</i> .  | \$80,586.16 | \$122,769.71 |

|  |              |              |
|--|--------------|--------------|
| <i>Amounts brought forward</i> .   | \$80,586.16  | \$122,769.71 |
| Charles A. Mongan, sewer in<br>Broadway . . . . .                                  | 2,961.32     |              |
| Charles A. Mongan, cement .  | 4.80         |              |
| Charles A. Kelley, sewer in<br>Beacon place . . . . .                              | 11.56        |              |
| Charles A. Kelley, sewer in<br>Medford street . . . . .                            | 11.10        |              |
| Charles A. Kelley, sewer in<br>Tennyson street . . . . .                           | 83.49        |              |
| Charles A. Kelley, sewer in<br>Jenny Lind avenue . . . . .                         | 656.32       |              |
| Patrick Burke, sewer in More-<br>land street . . . . .                             | 430.38       |              |
| Richard Falvey, storm-water<br>drain in Broadway and Sar-<br>gent avenue . . . . . | 12,966.61    |              |
| Richard Falvey, sand and<br>gravel . . . . .                                       | 40.41        |              |
| Charles C. McGrew & Co.,<br>sewer in Mystic avenue . . . . .                       | 352.19       |              |
| Daniel A. Dorey, sewer in<br>Liberty avenue . . . . .                              | 1,041.29     |              |
| Daniel A. Dorey, sewer in<br>North street and Raymond<br>avenue . . . . .          | 1,255.24     |              |
| Daniel A. Dorey, sewer in<br>Curtis street . . . . .                               | 690.01       |              |
| William F. Cunningham, sewer<br>in Windsor road . . . . .                          | 266.06       |              |
| William F. Cunningham, sewer<br>in Woodstock street . . . . .                      | 750.64       |              |
| William F. Cunningham, sewer<br>in Waterhouse street . . . . .                     | 376.78       |              |
| William F. Cunningham, sewer<br>in Farragut avenue . . . . .                       | 469.55       |              |
| <i>Amounts carried forward</i> .   | \$102,953.91 | \$122,769.71 |

|   |              |              |
|---|--------------|--------------|
| <i>Amounts brought forward</i> .  | \$102,953.91 | \$122,769.71 |
| William F. Cunningham, sewer<br>in Victoria street . . .                            | 405.51       |              |
| William F. Cunningham, sewer<br>in Endicott avenue . . .                            | 634.09       |              |
| William F. Cunningham, sewer<br>in Garrison avenue . . .                            | 414.31       |              |
| City of Cambridge, land dam-<br>ages on account of Tannery<br>Brook sewer . . . . . | 754.77       |              |
|   | <hr/>        |              |
|   | \$105,162.59 |              |
| Schoolhouse, Spring Hill Dis-<br>trict account, amount trans-<br>ferred . . . . .   | 600.00       |              |
| Sewer Assessment account,<br>abatements . . . . .                                   | 124.89       |              |
|   | <hr/>        |              |
|   | \$105,887.48 |              |
| Balance to credit in account, 1899  | 16,882.23    |              |
|   | <hr/>        |              |
|   |              | \$122,769.71 |

## SEWERS, MAINTENANCE.

## CREDIT.

|   |            |
|---|------------|
| Appropriations, amount assessed . . . .   | \$7,000.00 |
| Interest account, amount transferred . . .  | 300.00     |
| Cash, received of City of Cam-<br>bridge, repairs of Somerville<br>avenue sewer . . . . . | \$63.22    |
| George T. Bosson & L. R.<br>Wentworth, Trs., dividend<br>on bill for labor . . . . .      | 6.25       |
| M. Norton & Co., old hose . . . . .   | 1.25       |
| Wellington - Wild Coal Co.,<br>lumber . . . . .   | 48.45      |
| Schoolhouse, Spring Hill Dis-<br>trict account, labor, etc. . . . .                       | 144.43     |
|   | <hr/>      |
| <i>Amounts carried forward</i> .  | \$263.60   |
|   | <hr/>      |
|   | \$7,300.00 |



APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 213

|   |          |                  |
|---|----------|------------------|
| <i>Amounts brought forward</i>                          | \$263.60 | \$7,300.00       |
| Sewers, Construction account,<br>lumber                 | 21.44    |                  |
| Highways, Paving Webster<br>avenue account, use of team | 4.57     |                  |
| Water, Maintenance account,<br>labor, etc.              | 56.10    |                  |
|   |          | 345.71           |
| Excess and Deficiency, balance to debit of account      |          | 109.35           |
|   |          | <hr/> \$7,755.06 |

DEBIT.

|  |            |            |
|--|------------|------------|
| Cash, paid laborers                              | \$4,842.09 |            |
| James Tevlin, teaming                            | 1,879.87   |            |
| George D. Goodrich, drain<br>pipe                | 33.36      |            |
| Portland Stone Ware Co., drain<br>pipe           | .67        |            |
| Berry & Ferguson, cement                         | 15.40      |            |
| Waldo Bros., cement                              | 2.20       |            |
| David W. Lewis, cement                           | 20.35      |            |
| H. A. Hanscom & Co., cement                      | 3.50       |            |
| W. G. Nash, cement                               | 3.75       |            |
| F. O. Reed, rent of water<br>course for drainage | 300.00     |            |
| Boston Coupling Co., couplings                   | 31.20      |            |
| F. C. Ayer, lumber                               | 41.42      |            |
| Charles Linnehan, sand                           | 3.50       |            |
| M. A. Simpson, sand                              | .50        |            |
| Charles L. Underhill, iron work                  | 12.07      |            |
| Whitney & Snow, hardware                         | 66.50      |            |
| E. S. Sparrow & Co., hardware                    | 1.20       |            |
| J. A. Durell, hardware                           | 1.99       |            |
| Howe & Flint, hardware                           | 8.37       |            |
| F. Dooris, repairs of tools                      | 3.96       |            |
| Edson Mfg. Co., repairs of tools                 | 8.00       |            |
|  |            |            |
| <i>Amounts carried forward</i>                   | \$7,279.90 | \$7,755.06 |

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .                  | \$7,279.90 | \$7,755.06  |
| I. B. Walker, repairs of tools .                  | 1.70       |             |
| H. Wood, filing saws . . . .                      | 5.65       |             |
| John Fisher, pails . . . . .                      | 5.40       |             |
| T. C. Pinkham, rubber boots .                     | 45.45      |             |
| L. B. Pillsbury, Agent, cleaning cellar . . . . . | 5.70       |             |
| Barbour-Stockwell Co., ring and cover . . . . .   | 8.75       |             |
| Osgood & Hart, traps . . . .                      | 70.39      |             |
| M. Norton & Co., hose . . . .                     | 151.20     |             |
| W. A. Sanborn, bricks . . . .                     | 54.42      |             |
| Frank W. Leavitt, painting .                      | 10.00      |             |
| Ernest W. Danforth, disbursements . . . . .       | 3.00       |             |
| J. H. Thompson, carriage hire                     | 8.00       |             |
| Thomas Groom & Co., stationery . . . . .          | 41.75      |             |
| Somerville Citizen Co., printing . . . . .        | 12.75      |             |
| I. L. Smith, fuel . . . . .                       | 8.75       |             |
| Wellington-Wild Coal Co., fuel                    | 2.25       |             |
| City of Somerville, water .                       | 40.00      |             |
|   | <hr/>      | <hr/> <hr/> |
|   |            | \$7,755.06  |

## SIDEWALKS.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . .   | \$10,000.00 |
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . | 5,000.00    |
| Sidewalk Assessments levied . . . . .   | 14,848.14   |
| Highways account, amount transferred . . . .                                      | 167.41      |
| Cash, received of John and Matilda Beaudett, sidewalk . . . . .                   | \$ 37.10    |
| Augusta M. Stilphen, sidewalk   | 12.00       |
| J. H. Maguire, sidewalk . . . .   | 111.80      |
|   | <hr/>       |
| <i>Amounts carried forward</i> .  | \$160.90    |
|   | <hr/> <hr/> |
|   | \$30,015.55 |

|   |          |             |
|---|----------|-------------|
| <i>Amounts brought forward</i> .                              | \$160.90 | \$30,015.55 |
| Annie A. Terrio, sidewalk .                                   | 41.32    |             |
| Henry A. Stevens, sidewalk .                                  | 22.50    |             |
| Amasa Harmon, removing<br>fence . . . . .                     | 1.60     |             |
| Edward T. Huntress, remov-<br>ing fence . . . . .             | .75      |             |
| James L. Blodgett, removing<br>fence . . . . .                | .75      |             |
| L. M. Baldwin, removing fence                                 | 1.30     |             |
| Highways account, edgestones                                  | 7.57     |             |
| Schoolhouse, Spring Hill Dis-<br>trict account, labor . . . . | 23.80    |             |
|   |          | 260.49      |
|   |          | <hr/>       |
|   |          | \$30,276.04 |

## DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid laborers . . . . .   | \$8,097.97  |             |
| S. & R. J. Lombard, edge-<br>stones . . . . .                                 | 7,395.12    |             |
| W. A. Sanborn, bricks . . . .   | 9,368.61    |             |
| W. A. Murtfeldt Co., grano-<br>lithic curbing . . . . .                       | 368.68      |             |
| E. B. Edmister, bricks . . . .  | 238.44      |             |
| Thomas Casey, bricks . . . .  | 861.45      |             |
| D. Washburn & Son, bricks . .   | 285.62      |             |
| W. G. Nash, cement . . . . .  | 2.25        |             |
| W. H. Morris, moving fence . .  | 4.40        |             |
| Somerville Journal Co., print-<br>ing . . . . .                               | 212.50      |             |
| Somerville Citizen Co., print-<br>ing . . . . .                               | 254.00      |             |
| Highways account, labor, team-<br>ing and materials . . . . .                 | 3,055.43    |             |
| Highways, Paving Webster<br>avenue account, setting edge-<br>stones . . . . . | 30.35       |             |
|   |             | <hr/>       |
| <i>Amounts carried forward</i> .  | \$30,174.82 | \$30,276.04 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> . . . . .                | \$30,174.82 | \$30,276.04 |
| Public Grounds account, sods . . . . .                  | 8.80        |             |
| Sewers, Construction account,<br>edgestones . . . . .   | 13.39       |             |
| Sidewalk Assessments, assess-<br>ments abated . . . . . | 79.03       |             |
|   | <hr/>       | <hr/>       |
|   |             | \$30,276.04 |

## SIDEWALK ASSESSMENTS.

## CREDIT.

|   |             |
|---|-------------|
| Cash, received of Sundry Persons . . . . .  | \$13,064.02 |
| Sidewalks, assessments abated . . . . .     | 79.03       |
|   | <hr/>       |
|   | \$13,143.05 |
| Balance to debit of account, 1899 . . . . . | 5,193.11    |
|   | <hr/>       |
|   | \$18,336.16 |

## DEBIT.

|   |             |
|---|-------------|
| Balance from 1897 . . . . .             | \$ 3,488.02 |
| Sidewalks, assessments levied . . . . . | 14,848.14   |
|   | <hr/>       |
|   | \$18,336.16 |

## STATE AID.

## CREDIT.

|   |             |
|---|-------------|
| State of Massachusetts, amount paid in 1898<br>charged to State . . . . . | \$10,972.50 |
|---|-------------|

## DEBIT.

|  |             |
|--|-------------|
| Cash, paid monthly pay rolls . . . . . | \$10,972.50 |
|--|-------------|

## STATE OF MASSACHUSETTS.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount appropriated . . . . . | \$27,075.00 |
|---|-------------|

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid State Treasurer, State tax . . . . . | \$27,075.00 |
|---|-------------|

## STATE OF MASSACHUSETTS, METROPOLITAN SEWER.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . | \$31,566.31 |
|---|-------------|

## DEBIT.

|  |             |
|--|-------------|
| Cash, paid State Treasurer, assessment of 1898 . | \$31,566.31 |
|--|-------------|

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## STATE OF MASSACHUSETTS, METROPOLITAN WATER SUPPLY.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount appropriated from Water Works Income . . . . . | \$14,250.19 |
|---|-------------|

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid State Treasurer, Metropolitan water assessment for the year 1898 . . . . | \$14,250.19 |
|---|-------------|

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## STATE OF MASSACHUSETTS, NON-RESIDENT BANK STOCK.

## CREDIT.

|   |            |
|---|------------|
| Appropriations, amount assessed . . . . | \$1,043.12 |
|---|------------|

## DEBIT.

|  |            |
|--|------------|
| Cash, paid State Treasurer, amount collected on non-resident stock . . . . . | \$1,043.12 |
|--|------------|

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## STATE OF MASSACHUSETTS, BURIAL OF INDIGENT SOLDIERS AND SAILORS.

## CREDIT.

|   |          |
|---|----------|
| Cash, received of State Treasurer for burials in 1897 . . . . .       | \$245.00 |
| Balance December 31, 1898, due from State December 10, 1899 . . . . . | 455.00   |

---

|  |          |
|--|----------|
|  | \$700.00 |
|--|----------|

## DEBIT.

|  |          |
|--|----------|
| Balance from 1897 . . . .                                  | \$245.00 |
| Relief and burial of indigent soldiers and sailors . . . . | 455.00   |

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|  |          |
|--|----------|
|  | \$700.00 |
|--|----------|

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STATE OF MASSACHUSETTS, INDIGENT SOLDIERS  
AND SAILORS.

## CREDIT.

|  |          |
|--|----------|
| Cash, received of State Treasurer . . . . .                              | \$365.00 |
| Balance December 31, 1898, due from State<br>December 10, 1899 . . . . . | 257.00   |
|  | <hr/>    |
|  | \$622.00 |

## DEBIT.

|  |          |
|--|----------|
| Balance from 1897 . . . . .  | \$353.00 |
| Indigent Soldiers and Sailors,<br>one half of amount paid in<br>1898 . . . . . | 269.00   |
|  | <hr/>    |
|  | \$622.00 |

## STATE OF MASSACHUSETTS, STATE AID.

## CREDIT.

|  |             |
|--|-------------|
| Cash, received of State Treasurer . . . . .                              | \$ 9,261.50 |
| Balance December 31, 1898, due from State<br>December 10, 1899 . . . . . | 10,848.50   |
|  | <hr/>       |
|  | \$20,110.00 |

## DEBIT.

|  |             |
|--|-------------|
| Balance from 1897 . . . . .              | \$ 9,137.50 |
| State Aid, amount paid in 1898 . . . . . | 10,972.50   |
|  | <hr/>       |
|  | \$20,110.00 |

## STREET LIGHTS.

## CREDIT.

|   |             |
|---|-------------|
| Appropriations, amount assessed . . . . . | \$45,000.00 |
|---|-------------|

## DEBIT.

|   |             |
|---|-------------|
| Cash, paid Somerville Electric<br>Light Co., lighting . . . . . | \$43,352.81 |
| Welsbach Street Lighting Co.<br>of America, lighting . . . . .  | 487.75      |
|   | <hr/>       |
| <i>Amounts carried forward . . . . .</i>                        | \$43,840.56 |
|   | <hr/>       |
|   | \$45,000.00 |

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 219

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                              | \$43,840.56 | \$45,000.00 |
| Somerville Citizen Co., advertising . . . . .                 | 3.00        |             |
| Howard Lowell & Son, carriage hire . . . . .                  | 34.00       |             |
| M. F. Underwood, labor . . . . .                              | 8.00        |             |
| Hotel Colson, refreshments . . . . .                          | 12.00       |             |
|   | <hr/>       |             |
|   | \$43,897.56 |             |
| Excess and Deficiency, balance to credit of account . . . . . | 1,102.44    |             |
|   | <hr/>       |             |
|   |             | \$45,000.00 |
|   |             | <hr/>       |

SUNDRY PERSONS.

|   |             |             |
|---|-------------|-------------|
| CREDIT.   |             |             |
| Balance from 1897 . . . . .                           |             | \$25,917.81 |
| Water Loan Interest, coupons not paid . . . . .       |             | 2,735.00    |
| Interest, coupons not paid . . . . .                  |             | 20,530.00   |
|   |             | <hr/>       |
|   |             | \$49,182.81 |
| DEBIT.  |             |             |
| Cash, paid Sundry Persons, amounts due them . . . . . | \$21,709.21 |             |
| Balance to credit in account, 1899 . . . . .          | 27,473.60   |             |
|   | <hr/>       |             |
|   |             | \$49,182.81 |
|   |             | <hr/>       |

SUPPORT OF POOR, ALMSHOUSE.

|   |  |             |
|---|--|-------------|
| CREDIT.   |  |             |
| Appropriations, amount appropriated by borrowing on Funded Debt account . . . . . |  | \$20,000.00 |
| DEBIT.  |  |             |
| Balance to credit of account, 1899 . . . . .                                      |  | \$20,000.00 |
|   |  | <hr/>       |

SUPPORT OF POOR.

|   |  |             |
|---|--|-------------|
| CREDIT.                                   |  |             |
| Appropriations, amount assessed . . . . . |  | \$20,000.00 |
|   |  | <hr/>       |
| <i>Amount carried forward</i> . . . . .   |  | \$20,000.00 |

|  |            |             |
|--|------------|-------------|
| <i>Amount brought forward</i> . . . . .                          |            | \$20,000.00 |
| Interest account, amount transferred . . . . .                   |            | 3,000.00    |
| Cash, received for support of paupers : —                        |            |             |
| Of State of Massachusetts . . . . .                              | \$2,233.49 |             |
| Of City of Boston . . . . .                                      | 1,208.66   |             |
| Of City of Cambridge . . . . .                                   | 604.80     |             |
| Of City of Lynn . . . . .  | 14.75      |             |
| Of City of Lowell . . . . .                                      | 88.15      |             |
| Of City of Marlborough . . . . .                                 | 49.58      |             |
| Of City of Malden . . . . .                                      | 68.30      |             |
| Of City of Newton . . . . .                                      | 38.03      |             |
| Of City of Quincy . . . . .                                      | 50.94      |             |
| Of City of Springfield . . . . .                                 | 2.45       |             |
| Of City of Woburn . . . . .                                      | 51.45      |             |
| Of City of Worcester . . . . .                                   | 9.85       |             |
| Of Town of Canton . . . . .                                      | 2.93       |             |
| Of Town of Danvers . . . . .                                     | 49.14      |             |
| Of Town of Brookline . . . . .                                   | 10.00      |             |
| Of Town of Hingham . . . . .                                     | 89.47      |             |
| Of Town of Leominster . . . . .                                  | 1.25       |             |
| Of Town of Mattapoisett . . . . .                                | 4.00       |             |
| Of Town of Merrimac . . . . .                                    | 12.30      |             |
| Of Town of North Andover . . . . .                               | 96.68      |             |
| Of Town of Revere . . . . .                                      | 3.00       |             |
| Of Town of Plymouth . . . . .                                    | 3.50       |             |
| Of Town of Watertown . . . . .                                   | 10.00      |             |
| Of Town of Clinton . . . . .                                     | 10.50      |             |
| Charles I. Davis, aid furnished . . . . .                        | 146.00     |             |
| Albert Gilman, aid furnished . . . . .                           | 169.47     |             |
| F. W. Kaan, Guardian, aid furnished . . . . .                    | 84.03      |             |
| Selwyn Z. Bowman, Executor, aid furnished . . . . .              | 767.22     |             |
| Morrill W., Clara M. and Mary T. Bagley, aid furnished . . . . . | 53.20      |             |
| <i>Amounts carried forward</i> . . . . .                         | \$5,933.14 | \$23,000.00 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .                       | \$5,933.14 | \$23,000.00 |
| Newman S. Wax, aid furnished                           | 107.71     |             |
| Frederick A. P. Fiske, Guardian, aid furnished . . . . | 84.49      |             |
| Richard Moore, aid furnished .                         | 113.75     |             |
| William F. Spruen, aid furnished . . . . .             | 39.93      |             |
| C. C. Folsom, Guardian, aid furnished . . . . .        | 26.96      |             |
| C. C. Folsom, old flag . . . .                         | 10.00      |             |
| Mrs. John Kelley, furniture .                          | 5.00       |             |
| Susan Nangle, money refunded                           | 2.00       |             |
| Highways account, labor of paupers . . . . .           | 212.00     |             |
| Schoolhouse Incidentals account, flags . . . . .       | 18.00      |             |
|  | <hr/>      | 6,552.98    |
|  |            | <hr/>       |
|  |            | \$29,552.98 |

## DEBIT.

|  |             |             |
|--|-------------|-------------|
| Cash, paid Commonwealth of Massachusetts, support of paupers . . . . . | \$1,124.26  |             |
| Massachusetts Hospital for Dipsomaniacs . . . . .                      | 498.17      |             |
| Massachusetts School for the Feeble Minded . . . . .                   | 646.62      |             |
| Worcester Lunatic Hospital .   | 2,930.84    |             |
| Worcester Insane Asylum .  | 847.88      |             |
| Westboro Insane Hospital .   | 671.20      |             |
| Danvers Lunatic Hospital .   | 762.81      |             |
| Medfield Insane Asylum .   | 1,988.00    |             |
| Taunton Lunatic Hospital .   | 366.78      |             |
| Boston Insane Hospital .   | 169.46      |             |
| Hospital Cottages for Children   | 126.74      |             |
| Somerville Hospital . . . .  | 3,135.56    |             |
|  | <hr/>       |             |
| <i>Amounts carried forward</i> .                                       | \$13,268.32 | \$29,552.98 |

|                                |             |             |
|--------------------------------|-------------|-------------|
| <i>Amounts brought forward</i> | \$13,268.32 | \$29,552.98 |
| City of Boston                 | 1,287.52    |             |
| City of Cambridge              | 612.05      |             |
| City of Chelsea                | 105.50      |             |
| City of Brockton               | 10.54       |             |
| City of Lowell                 | 64.00       |             |
| City of Malden                 | 525.40      |             |
| City of Medford                | 70.20       |             |
| City of Newton                 | 38.03       |             |
| City of Worcester              | 48.86       |             |
| City of Waltham                | 111.73      |             |
| Town of Milford                | 52.39       |             |
| Town of Maynard                | 16.06       |             |
| Town of Peabody                | 341.07      |             |
| Town of Raynham                | 202.72      |             |
| Town of Revere                 | 288.82      |             |
| Town of Attleboro              | 56.00       |             |
| Carney Hospital                | 2.29        |             |
| John Murphy, rent              | 21.00       |             |
| Ellen Driscoll, rent           | 44.00       |             |
| Ellen Halloran, rent           | 35.00       |             |
| James Ambrose, rent            | 21.00       |             |
| Christina West, rent           | 96.00       |             |
| Ellen Mahoney, rent            | 84.00       |             |
| Ellen Murphy, rent             | 21.00       |             |
| Sophia Knapp, board            | 28.06       |             |
| Mary Curran, board             | 11.94       |             |
| Jennie Davis, board            | 16.60       |             |
| Addie D. Haynes, board         | 26.15       |             |
| Adelaide Pendexter, board      | 10.00       |             |
| Mary Carroll, board            | 10.00       |             |
| Mrs. Thomas Rouse, board       | 40.00       |             |
| Margaret McCarthy, board       | 40.00       |             |
| Annie Campbell, board          | 5.71        |             |
| Mrs. W. H. Johnson, board      | 144.00      |             |
| Mrs. E. Wilcomb, board         | 101.77      |             |
| <i>Amounts carried forward</i> | \$17,857.73 | \$29,552.98 |



|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .   | \$17,857.73 | \$29,552.98 |
| Mary Dugan, board . . .  | 70.00       |             |
| Elizabeth E. Remington, board  | 52.17       |             |
| Charles T. Shean, board . .  | 45.85       |             |
| Mary Shean, board . . .  | 87.48       |             |
| A. Crafts Wade, board . .  | 130.33      |             |
| Julia Campbell, board . . .  | 332.75      |             |
| Deborah Minard, board . . .  | 84.27       |             |
| Hannah M. Mayo, board . .  | 84.03       |             |
| Clara Roberts, board . . .   | 169.46      |             |
| Susan McDonald, board . . .  | 90.57       |             |
| Mary Budreau, board . . .  | 50.17       |             |
| Ellen Craig, board . . . .   | 7.50        |             |
| Emily M. Higgins, board . .  | 87.44       |             |
| Kurn Hattin Homes, board . .   | 200.00      |             |
| Mrs. George F. Sawyer, board   | 57.13       |             |
| Emma E. Perkins, cash allow-<br>ance . . . . .                           | 60.00       |             |
| C. C. Folsom, salary as agent .  | 1,500.00    |             |
| Disbursements . . . . .  | 264.52      |             |
| A. B. Dearborn, salary as City<br>Physician . . . . .                    | 61.83       |             |
| William F. Holmes, salary as<br>City Physician . . . . .                 | 938.17      |             |
| Medicines . . . . .  | 394.30      |             |
| Cora F. Lewis, salary as secre-<br>tary . . . . .                        | 600.00      |             |
| Sara J. Lamont, clerical ser-<br>vices . . . . .                         | 26.67       |             |
| New England Telephone &<br>Telegraph Co., rentals and<br>tolls . . . . . | 70.66       |             |
| J. Arthur Bean, medicine . .   | 1.10        |             |
| Henry D. Padelford, medicine   | 34.90       |             |
| Frederick W. Gay, medicine .   | .70         |             |
| Milton H. Plummer, medicine  | 3.00        |             |
| <i>Amounts carried forward</i> .   | \$23,362.73 | \$29,552.98 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                       | \$23,362.73 | \$29,552.98 |
| Clark & Gay, medicine . . .                            | 2.15        |             |
| Peake Mfg. Co., medicine . . .                         | 14.25       |             |
| F. H. Dudley, medicine . . .                           | .60         |             |
| Howard Hamlin, medicine . . .                          | 136.90      |             |
| Herbert E. Bowman, medicine . . .                      | 39.55       |             |
| J. W. Howard, floral tribute . . .                     | 20.00       |             |
| P. H. Rafferty, services as undertaker . . . . .       | 65.00       |             |
| C. F. Bryant, services as undertaker . . . . .         | 15.00       |             |
| Alfred E. Mann, services as undertaker . . . . .       | 30.00       |             |
| W. A. Flaherty, services as undertaker . . . . .       | 74.00       |             |
| John S. McGowan, services as undertaker . . . . .      | 15.00       |             |
| E. H. Marsh & Son, services as undertaker . . . . .    | 15.00       |             |
| W. D. Hayden, moving furniture . . . . .               | 2.50        |             |
| W. E. Plumer & Co., saws . . . . .                     | 2.70        |             |
| Smith, Patterson & Co., clock . . . . .                | 4.50        |             |
| F. W. Gilbert, boots and shoes . . . . .               | 114.95      |             |
| Philip Eberle, boots and shoes . . . . .               | 7.50        |             |
| J. H. Brooks, dry goods . . . . .                      | 29.58       |             |
| James W. Brine, clothing . . . . .                     | 21.50       |             |
| A. F. Carpenter, groceries and provisions . . . . .    | 366.78      |             |
| James H. Maguire, groceries and provisions . . . . .   | 187.50      |             |
| Charles S. Butters, groceries and provisions . . . . . | 92.00       |             |
| Fred J. Pillsbury, groceries and provisions . . . . .  | 23.50       |             |
| W. H. Bullard, groceries and provisions . . . . .      | 111.13      |             |
| <i>Amounts carried forward</i> .                       | \$24,754.32 | \$29,552.98 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                            | \$24,754.32 | \$29,552.98 |
| W. P. Blanchard, groceries<br>and provisions . . . .        | 169.40      |             |
| Medford Street Market, gro-<br>ceries and provisions . . .  | 429.50      |             |
| Christopher Bros., groceries<br>and provisions . . . . .    | 10.00       |             |
| E. R. Lowell & Co., groceries<br>and provisions . . . . .   | 28.50       |             |
| F. E. Cheney & Co., groceries<br>and provisions . . . . .   | 9.50        |             |
| W. S. Ward, groceries and<br>provisions . . . . .           | 603.00      |             |
| R. M. Sturtevant, groceries<br>and provisions . . . . .     | 344.00      |             |
| M. L. King, groceries and pro-<br>visions . . . . .         | 94.99       |             |
| F. E. Robie & Son, groceries<br>and provisions . . . . .    | 46.00       |             |
| A. E. Robie, groceries and<br>provisions . . . . .          | 184.00      |             |
| F. L. Card, groceries and pro-<br>visions . . . . .         | 111.58      |             |
| Sawyer & Read, groceries<br>and provisions . . . . .        | 268.87      |             |
| N. R. Barrows, groceries and<br>provisions . . . . .        | 58.00       |             |
| W. H. Burgess, groceries and<br>provisions . . . . .        | 24.00       |             |
| C. L. Stevens, groceries and<br>provisions . . . . .        | 8.00        |             |
| Charles A. Small & Co., gro-<br>ceries and provisions . . . | 56.00       |             |
| James Bartley, groceries and<br>provisions . . . . .        | 315.00      |             |
| J. G. Albee, groceries and<br>provisions . . . . .          | 73.50       |             |
| <i>Amounts carried forward</i> .                            | \$27,588.16 | \$29,552.98 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                              | \$27,588.16 | \$29,552.98 |
| L. Stockbridge, groceries and provisions . . . . .            | 20.96       |             |
| C. N. Brown, groceries and provisions . . . . .               | 6.00        |             |
| D. E. Watson, groceries and provisions . . . . .              | 59.50       |             |
| Emerson R. Christopher, groceries and provisions . . . . .    | 24.00       |             |
| Thomas Groom & Co., stationery . . . . .                      | 25.65       |             |
| W. A. Greenough & Co., directory . . . . .                    | 3.00        |             |
| F. S. Blanchard & Co., books . . . . .                        | 1.50        |             |
| Somerville Journal Co., printing . . . . .                    | 7.00        |             |
| F. W. Jackman, printing . . . . .                             | 2.00        |             |
| Smith Premier Typewriter Co., repairs . . . . .               | 3.35        |             |
| Jackson Caldwell & Co., matting . . . . .                     | 5.25        |             |
| H. Wood, filing saws . . . . .                                | .60         |             |
| Howard Lowell & Son, carriage hire . . . . .                  | 15.00       |             |
| L. H. Brown, carriage hire . . . . .                          | 6.50        |             |
| Horatio Wellington & Co., fuel . . . . .                      | 490.69      |             |
| Wellington-Wild Coal Co., fuel . . . . .                      | 225.70      |             |
| J. E. Marsh, medical attendance . . . . .                     | 27.35       |             |
| F. E. Varney, medical attendance . . . . .                    | 10.00       |             |
|   | <hr/>       |             |
|   | \$28,522.21 |             |
| Excess and Deficiency, balance to credit of account . . . . . | 1,030.77    |             |
|   | <hr/>       |             |
|   |             | \$29,552.98 |

## TAXES.

## CREDIT.

|                                    |            |              |
|------------------------------------|------------|--------------|
| Cash, received for taxes of 1892 . | \$14.00    |              |
| “ “ “ “ 1893 .                     | 102.05     |              |
| “ “ “ “ 1894 .                     | 394.94     |              |
| “ “ “ “ 1895 .                     | 1,142.28   |              |
| “ “ “ “ 1896 .                     | 46,760.02  |              |
| “ “ “ “ 1897 .                     | 152,425.93 |              |
| “ “ “ “ 1898 .                     | 708,724.52 |              |
|                                    | <hr/>      | \$909,563.74 |

## Overlay and Abatement :—

|                               |          |          |
|-------------------------------|----------|----------|
| Abatements on taxes of 1893 . | \$4.00   |          |
| “ “ “ “ 1894 .                | 4.00     |          |
| “ “ “ “ 1895 .                | 8.00     |          |
| “ “ “ “ 1896 .                | 222.98   |          |
| “ “ “ “ 1897 .                | 588.46   |          |
| “ “ “ “ 1898 .                | 4,909.90 |          |
|                               | <hr/>    | 5,737.34 |

## Balance to debit in account, 1898 :—

|                                 |            |                |
|---------------------------------|------------|----------------|
| Being uncollected taxes of 1889 | \$46.60    |                |
| “ “ “ “ 1890                    | 7,218.20   |                |
| “ “ “ “ 1891                    | 57.40      |                |
| “ “ “ “ 1892                    | 250.50     |                |
| “ “ “ “ 1893                    | 6,596.65   |                |
| “ “ “ “ 1894                    | 6,666.47   |                |
| “ “ “ “ 1895                    | 7,617.60   |                |
| “ “ “ “ 1896                    | 9,751.44   |                |
| “ “ “ “ 1897                    | 76,896.64  |                |
| “ “ “ “ 1898                    | 240,552.69 |                |
|                                 | <hr/>      | 355,654.19     |
|                                 |            | <hr/>          |
|                                 |            | \$1,270,955.27 |

## DEBIT.

|   |                |                |
|---|----------------|----------------|
| Balance from 1897 . . . .                               | \$316,768.16   |                |
| Appropriations, amount<br>assessed for current expenses | 834,400.00     |                |
|   | <hr/>          |                |
| <i>Amounts carried forward</i> .                        | \$1,151,168.16 | \$1,270,955.27 |



|   |                |                |
|---|----------------|----------------|
| <i>Amounts brought forward</i> .  | \$1,151,168.16 | \$1,270,955.27 |
| State of Massachusetts, amount assessed for State tax . . .   | 27,075.00      |                |
| State of Massachusetts, amount assessed for payment of Metropolitan Sewer Assessment                        | 31,566.31      |                |
| State of Massachusetts, amount assessed on non-resident national bank stock . . .                           | 1,043.12       |                |
| County of Middlesex, amount assessed for County tax .   | 44,894.56      |                |
| Street Watering, amount assessed for payment of a proportionate part of cost of watering streets for 1898 . | 13,384.48      |                |
| Overlay and Abatement, amount added by the assessors . . . . .  | 1,823.64       |                |
|   | <hr/>          | <hr/> <hr/>    |
|   |                | \$1,270,955.27 |

## TEMPORARY LOANS.

## CREDIT.

|  |              |              |
|--|--------------|--------------|
| Balance from 1897 . . . . .  |              | \$350,000.00 |
| Cash, borrowed by authority of the City Council on notes as follows :— |              |              |
| The Boston Five Cents Savings Bank, eight months, 4½ per cent. . . . . | \$150,000.00 |              |
| Estabrook & Co., two months eighteen days, 4⅞ per cent. .              | 200,000.00   |              |
| Blake Bros. & Co., four months, 2.63 per cent. . . . .                 | 50,000.00    |              |
| Estabrook & Co., four months sixteen days, 3.05 per cent. .            | 200,000.00   |              |
|  | <hr/>        | <hr/>        |
| <i>Amounts carried forward</i> .                                       | \$600,000.00 | \$350,000.00 |

|   |              |                |
|---|--------------|----------------|
| <i>Amounts brought forward</i> .                                    | \$600,000.00 | \$350,000.00   |
| The Boston Five Cents Savings Bank, six months, 3 per cent. . . . . | 100,000.00   |                |
| Blake Bros. & Co., six months, 2.93 per cent. . . . .               | 100,000.00   |                |
| F. S. Moseley & Co., six months, 2.70 per cent. .                   | 100,000.00   |                |
|   | <hr/>        | 900,000.00     |
|   |              | <hr/>          |
|   |              | \$1,250,000.00 |

## DEBIT.

Cash, paid as follows:—

|  |              |                |
|--|--------------|----------------|
| The Boston Five Cents Savings Bank, six months, 3½ per cent. . . . .   | \$150,000.00 |                |
| F. S. Moseley & Co., four months, 2.56 per cent. .                     | 200,000.00   |                |
| Estabrook & Co., two months eighteen days, 4⅞ per cent.                | 200,000.00   |                |
| Estabrook & Co., four months sixteen days, 3.05 per cent. .            | 200,000.00   |                |
| Blake Bros. & Co., four months, 2.63 per cent. . . . .                 | 50,000.00    |                |
| The Boston Five Cents Savings Bank, eight months, 4½ per cent. . . . . | 150,000.00   |                |
|  | <hr/>        | \$950,000.00   |
| Balance to credit in account, 1899 . . . . .                           | 300,000.00   |                |
|  | <hr/>        | \$1,250,000.00 |
|  |              | <hr/>          |

## WATER LOAN INTEREST.

## CREDIT.

|   |             |
|---|-------------|
| Water Works Income, amount appropriated . | \$11,925.00 |
| <i>Amount carried forward</i> . . . . .   | <hr/>       |
|   | \$11,925.00 |

*Amount brought forward* . . . . \$11,925.00

## DEBIT.

Cash, paid on Water Loan Debt :—

\$239,000.00, one year at 4 per  
cent. . . . . \$9,560.00

\$2,000.00, six months at 4 per  
cent. . . . . 40.00

\$28,000.00, one year at 5 per  
cent. . . . . 1,400.00

\$15,000.00, six months at 5 per  
cent. . . . . 375.00

\$10,000.00, one year at 5 1-2  
per cent. . . . . 550.00

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\$11,925.00

Less coupons unpaid . . . . 2,735.00

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\$14,660.00

Sundry Persons, unpaid cou-  
pons . . . . . 2,735.00

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\$11,925.00

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## WATER MAINTENANCE.

## CREDIT.

Water Works Income, amount appropriated . \$60,000.00

City of Boston, water rates, amount transferred 5,278.88

Water Services, amount transferred . . . . 383.95

Cash, received of Sundry Persons,  
turning off and on water . \$ 385.00

Water Service account, pipe,  
fittings, etc. . . . . 1,597.06

Sewers, Construction account,  
pipe, etc. . . . . 111.44

Schoolhouse, Prescott, Heat-  
ing and Ventilating account,  
pipe, labor, etc. . . . . 86.75

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*Amounts carried forward* . \$2,180.25 \$65,662.83

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .   | \$2,180.25 | \$65,662.83 |
| Highways account, lead . . .   | 3.83       |             |
| Metropolitan Water Board,<br>replacing water pipes . . .                 | 286.83     |             |
| J. P. Stewart & Co., repairing<br>hydrants . . . . .                     | 25.40      |             |
| Trustees Tufts College, repair-<br>ing hydrants . . . . .                | 75.00      |             |
| Cambridge Gaslight Co., cast-<br>ings . . . . .                          | 9.10       |             |
| Charlestown Gas & Electric<br>Co., fittings . . . . .                    | 11.79      |             |
| Commonwealth of Massachu-<br>setts, constructing water<br>post . . . . . | 39.00      |             |
| A. F. Dickson, labor . . .   | 1.50       |             |
| W. H. Woodbury, labor . . .  | 1.25       |             |
| Day Street Congregational<br>Church, labor . . . . .                     | 12.00      |             |
| Nathan H. Reed, labor . . .  | 8.21       |             |
| L. D. Richards, labor . . .  | 3.10       |             |
| C. B. Follett, labor . . .   | 4.91       |             |
| Patrick Flynn, error in pay roll   | 18.00      |             |
| F. I. Bradshaw, replacing ser-<br>vice pipe . . . . .                    | 16.05      |             |
| Elizabeth Cunningham, replac-<br>ing service pipe . . . . .              | 11.89      |             |
| Estate of Priscilla A. Shute,<br>replacing service pipe . . .            | 14.00      |             |
| Felipe Barnad, replacing ser-<br>vice pipe . . . . .                     | 14.44      |             |
| D. F. Inwood, replacing ser-<br>vice pipe . . . . .                      | 9.87       |             |
| Stark H. Davis, replacing ser-<br>vice pipe . . . . .                    | 17.00      |             |
| T. H. Bryne, replacing service<br>pipe . . . . .                         | 85.45      |             |
| <i>Amounts carried forward</i> .   | \$2,848.87 | \$65,662.83 |

|  |                  |                   |
|--|------------------|-------------------|
| <i>Amounts brought forward</i> .                               | \$2,848.87       | \$65,662.83       |
| Adoniram J. Taylor, replacing service pipe . . . . .           | 31.31            |                   |
| T. F. Crimmings, replacing service pipe . . . . .              | 21.20            |                   |
| John D. Roberts, repairs of service pipe . . . . .             | 3.49             |                   |
| Mrs. Sullivan, repairs of service pipe . . . . .               | 5.00             |                   |
| Francis W. Evans, repairs of service pipe . . . . .            | 17.46            |                   |
| Alma Nelson, repairs of service pipe . . . . .                 | 5.69             |                   |
| C. E. Trumbull & Co., repairs of service pipe . . . . .        | 27.80            |                   |
| Estate of Sarah O'Neil, repairs . . . . .                      | 1.10             |                   |
| Richard D. Falvey, repairs . . . . .                           | 37.95            |                   |
| Clara T. Reed, pipe . . . . .                                  | 7.25             |                   |
| Estate of Rufus B. Stickney, setting meter . . . . .           | 43.00            |                   |
| Annie S. Bond, setting meter . . . . .                         | 12.25            |                   |
| Dudley F. Hunt <i>et al.</i> , deficiency in revenue . . . . . | 30.50            |                   |
| Franklin O. Reed, deficiency in revenue . . . . .              | 27.31            |                   |
| Samuel W. Mendum, deficiency in revenue . . . . .              | 8.83             |                   |
| Arlington Water Works, fittings . . . . .                      | 6.54             |                   |
| City of Malden, fittings . . . . .                             | 58.75            |                   |
| City of Medford, fittings . . . . .                            | 2.70             |                   |
| James Maguire, fittings . . . . .                              | .75              |                   |
| North Packing & Provision Co., fittings . . . . .              | 5.00             |                   |
| George Coales, fittings . . . . .                              | .75              |                   |
| Thomas C. Connor, fittings . . . . .                           | .75              |                   |
| <i>Amounts carried forward</i> .                               | <hr/> \$3,204.25 | <hr/> \$65,662.83 |



APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 233

|                                  |            |             |
|----------------------------------|------------|-------------|
| <i>Amounts brought forward</i> . | \$3,204.25 | \$65,662.83 |
| Benjamin F. Freeman, fittings    | 17.00      |             |
| J. A. Merrifield, fittings .     | .75        |             |
| Daniel Morrison, hose . . .      | 58.18      |             |
|                                  | <hr/>      | 3,280.18    |
|                                  |            | <hr/>       |
|                                  |            | \$68,943.01 |

DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid laborers . . . .                               | \$25,678.38 |             |
| Nathaniel Dennett, salary as<br>superintendent . . . .    | 116.66      |             |
| Frank E. Merrill, salary as<br>clerk and superintendent . | 2,300.00    |             |
| Disbursements . . . .                                     | 144.81      |             |
| Florence E. Barton, salary as<br>assistant to clerk . . . | 722.40      |             |
| V. Florence Walker, salary as<br>assistant to clerk . . . | 511.20      |             |
| Edward M. Shedd, inspector .                              | 1,122.00    |             |
| S. E. Hayden, salary as en-<br>gineer . . . . .           | 1,100.00    |             |
| Nathan Tufts & Sons, hay and<br>grain . . . . .           | 228.95      |             |
| G. W Ladd Co., hay and grain                              | 120.25      |             |
| Fulton O'Brion, hay and grain                             | 111.19      |             |
| Frank W. Leavitt, repairs of<br>wagons . . . . .          | 130.04      |             |
| R. B. Baker, repairs of wagons                            | 4.35        |             |
| John Rooney, horseshoeing .                               | 60.73       |             |
| Edward O'Brien, horseshoeing                              | 11.38       |             |
| Seward Dodge, horseshoeing .                              | 168.41      |             |
| I. B. Walker, horseshoeing .                              | 8.45        |             |
| E. Spalding, harness work .                               | 60.50       |             |
| D. J. Bennett, harness work .                             | 2.25        |             |
| Charles E. Berry, harness work                            | 1.00        |             |
| Charles L. Underhill, repairs<br>of tools . . . . .       | 159.36      |             |
|   | <hr/>       |             |
| <i>Amounts carried forward</i> .                          | \$32,762.31 | \$68,943.01 |

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|--|-------------|-------------|
| <i>Amounts brought forward</i> .                   | \$32,762.31 | \$68,943.01 |
| F. Dooris, repairs of tools .                      | 180.39      |             |
| H. Wood, repairs of tools .                        | 5.25        |             |
| Joseph Young, repairs of tools .                   | 3.00        |             |
| T. F. Culliton, repairs of tools .                 | 4.60        |             |
| Norwood Engineering Co.,<br>hydrant . . . . .      | 460.00      |             |
| Rensselaer Mfg. Co., hydrant .                     | 30.00       |             |
| Chadwick Lead Co., lead .                          | 39.46       |             |
| Boston Lead Mfg. Co., lead<br>and pipe . . . . .   | 2,414.45    |             |
| Lead Lined Iron Pipe Co., pipe .                   | 1,324.71    |             |
| R. D. Wood & Co., iron pipe .                      | 12,992.07   |             |
| W. A. Snow & Co., tools .                          | 47.42       |             |
| Carlow & Co., tools . . . .                        | 24.00       |             |
| Walworth Mfg. Co., seals and<br>tools . . . . .    | 133.76      |             |
| Perrin, Seamans & Co., tools .                     | 122.27      |             |
| Hall Bros., street boxes . . .                     | 121.80      |             |
| A. & E. Burton & Co., brushes .                    | 21.96       |             |
| James Russell Boiler Works<br>Co., labor . . . . . | 10.55       |             |
| The Fairbanks Co., repairing<br>valve . . . . .    | .66         |             |
| Star Brass Mfg. Co., gauges .                      | 35.00       |             |
| Priest, Page & Co., labor on<br>scales . . . . .   | 6.50        |             |
| Chapman Valve Mfg. Co.,<br>valves . . . . .        | 88.42       |             |
| G. C. Whorf & Co., valves . .                      | 15.00       |             |
| Ludlow Valve Mfg. Co., valves .                    | 19.80       |             |
| Boston Bolt Co., bolts . . . .                     | 1.75        |             |
| Sumner & Goodwin Co., hook .                       | .25         |             |
| F. D. Weld, flagstaff . . . .                      | 3.50        |             |
| Globe Gaslight Co., gasoline .                     | 9.20        |             |
| New England Oil Co., oil . . .                     | 54.56       |             |
| <i>Amounts carried forward</i> .                   | \$50,932.64 | \$68,943.01 |

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|---|-------------|-------------|
| <i>Amounts brought forward</i> .                        | \$50,932.64 | \$68,943.01 |
| W. F. Rowe, oil . . . . .                               | 68.03       |             |
| Brooklyn Varnish Co., varnish . . . . .                 | 6.25        |             |
| James Bartley, oil . . . . .                            | 6.08        |             |
| Derby Desk Co., furniture . . . . .                     | 10.80       |             |
| George H. Richter & Co.,<br>furniture . . . . .         | 73.48       |             |
| F. W. Allen & Co., furniture . . . . .                  | 17.60       |             |
| A. H. Fletcher, repairs of<br>furniture . . . . .       | 12.95       |             |
| W. F. Flemming, repairs of<br>furniture . . . . .       | 2.00        |             |
| D. P. Bucknam, mason work . . . . .                     | 42.00       |             |
| Thomas Wood, mason work . . . . .                       | 29.75       |             |
| E. A. Drowne & Co., lamps . . . . .                     | 24.60       |             |
| Sewall & Day Cordage Co.,<br>packing . . . . .          | 108.62      |             |
| Cutter & Parker, window<br>frames . . . . .             | 14.50       |             |
| F. S. Blanchard & Co., book . . . . .                   | 1.50        |             |
| Thomas Groom & Co., station-<br>ery . . . . .           | 298.37      |             |
| W. A. Greenough & Co., di-<br>rectory . . . . .         | 3.00        |             |
| Municipal Engineering Co.,<br>magazines . . . . .       | 4.00        |             |
| "Fire & Water," magazines . . . . .                     | 3.00        |             |
| Engineering News Publishing<br>Co., magazines . . . . . | 13.00       |             |
| Heliotype Printing Co., charts . . . . .                | 15.00       |             |
| Jackson Caldwell & Co.,<br>shades . . . . .             | 8.30        |             |
| J. H. Brooks, flannel . . . . .                         | 2.75        |             |
| James Gurney & Co., boiler<br>plates . . . . .          | 15.95       |             |
| Boston & Maine Railroad Co.,<br>freight . . . . .       | 606.40      |             |
| <i>Amounts carried forward</i> .                        | \$52,320.57 | \$68,943.01 |

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| <i>Amounts brought forward</i> .   | \$52,320.57 | \$68,943.01 |
| J. W. Howard, shrubs . . .   | 218.65      |             |
| Cambridge Gas Light Co.,<br>lighting . . . . .                           | 34.08       |             |
| Somerville Electric Light Co.,<br>lighting . . . . .                     | 95.36       |             |
| City of Boston, water . . .  | 5.60        |             |
| City of Somerville, water . .  | 74.40       |             |
| New England Telephone &<br>Telegraph Co., rentals and<br>tolls . . . . . | 379.71      |             |
| W. A. Sanborn, bricks . . .  | 43.50       |             |
| Waldo Bros., bricks . . .  | 16.25       |             |
| M. A. Simpson, sand . . .  | 13.00       |             |
| Charles S. Robertson, pre-<br>mium of insurance . . .                    | 100.00      |             |
| H. Mueller Mfg. Co., fittings  | 14.56       |             |
| Braman Dow & Co., fittings .   | 654.27      |             |
| I. G. Marston & Co., fittings .  | 37.88       |             |
| E. M. Dart Mfg. Co., fittings  | 9.33        |             |
| Thomson Meter Co., meters .  | 9.90        |             |
| Hersey Mfg. Co., meters . .  | 8.40        |             |
| Union Water Meter Co.,<br>meters . . . . .                               | 20.00       |             |
| National Meter Co., meters .   | 31.70       |             |
| Neptune Meter Co., meters .  | 383.00      |             |
| G. H. Sampson, forcite . . .   | 27.65       |             |
| Boston Woven Hose & Rub-<br>ber Co., hose . . . . .                      | 34.73       |             |
| Davis & Farnum Mfg. Co.,<br>castings . . . . .                           | 507.20      |             |
| Mechanics Iron Foundry, cast-<br>ings . . . . .                          | 14.00       |             |
| Coffin Valve Co., gates . . .  | 937.50      |             |
| Osgood & Hart, gate boxes, etc.  | 819.51      |             |
| Frederick E. Jones, sketch .   | 10.00       |             |
| <i>Amounts carried forward</i> .   | \$56,820.75 | \$68,943.01 |

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| <i>Amounts brought forward</i> .                       | \$56,820.75 | \$68,943.01 |
| W. H. Burbank, ribbons .                               | 2.00        |             |
| Henry R. Worthington, re-<br>pairing pump . . . . .    | 32.52       |             |
| Boston Lockport Block Co.,<br>repairing pump . . . . . | 20.70       |             |
| A. Z. Cowan, refreshments .                            | 47.25       |             |
| Henry C. Hunt, leather pieces                          | 15.00       |             |
| Pettingell-Andrews Co., bat-<br>teries . . . . .       | 6.96        |             |
| Fred W. Farrar, repairing<br>clocks . . . . .          | 3.00        |             |
| Frederick R. Cutter, repairing<br>clocks . . . . .     | 6.50        |             |
| George D. Goodrich, drain pipe                         | 17.52       |             |
| A. J. Smith & Co., plumbing .                          | 2.00        |             |
| I. H. Brown Moulding Co.,<br>lumber . . . . .          | 12.00       |             |
| S. W. Fuller, lumber . . . .                           | 208.92      |             |
| R. E. Lord, mason work . .                             | 7.20        |             |
| J. Q. Twombly, painting . .                            | 7.25        |             |
| Jenkins Bros., radiator wheels .                       | .58         |             |
| Thomas Hollis Co., sponges .                           | 3.50        |             |
| Thomas W. Gleeson, gong . .                            | 8.40        |             |
| Sprague & Hathaway Co.,<br>frames . . . . .            | 17.30       |             |
| Somerville Journal Co., print-<br>ing . . . . .        | 111.60      |             |
| Somerville Citizen Co., print-<br>ing . . . . .        | 238.37      |             |
| T. S. Buck, stamps . . . .                             | 2.35        |             |
| Charles A. Small & Co., soap .                         | .86         |             |
| James Bartley, soap . . . .                            | 4.08        |             |
| Milton H. Plummer & Co., medi-<br>cine . . . . .       | 2.55        |             |
| H. S. Garcelon, medicine . .                           | 2.35        |             |
| <i>Amounts carried forward</i> .                       | \$57,601.51 | \$68,943.01 |



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| <i>Amounts brought forward</i> .                     | \$57,601.51 | \$68,943.01 |
| J. F. Elkins, teaming . . .                          | 9.90        |             |
| T. F. Crimmings, teaming . .                         | 247.96      |             |
| Frank W. Bickford, carpenter-<br>ing . . . . .       | 34.79       |             |
| John P. Wahlstrom & Son,<br>painting standpipe . . . | 246.25      |             |
| C. Caseau, painting . . .                            | 5.75        |             |
| G. A. Fellows, ties . . . .                          | 2.00        |             |
| Philip Eberle, rubber boots .                        | 8.75        |             |
| William C. Walker, rubber<br>boots . . . . .         | 8.00        |             |
| W. E. Plumer & Co., hard-<br>ware . . . . .          | 394.02      |             |
| Howe & Flint, hardware . .                           | 46.31       |             |
| Underhill Hardware Co., hard-<br>ware . . . . .      | 27.85       |             |
| Dominion Coal Co., coal . .                          | 171.42      |             |
| Wellington - Wild Coal Co.,<br>fuel . . . . .        | 593.29      |             |
| Horatio Wellington & Co.,<br>fuel . . . . .          | 777.74      |             |
| Highland Coal Co., fuel . . .                        | 85.04       |             |
| Scrannage Bros., stable sup-<br>plies . . . . .      | 2.50        |             |
| A. M. Wood & Co., stable<br>fittings . . . . .       | .67         |             |
| H. C. Abbott, wood . . . .                           | 54.00       |             |
| Charles Booth, wood . . . .                          | 8.13        |             |
| J. S. Bradeen, wood . . . .                          | 6.00        |             |
| W. H. Way, veterinary ser-<br>vices . . . . .        | 22.00       |             |
| John Cooper, horse . . . .                           | 130.00      |             |
| Bancroft's Express, express-<br>ing . . . . .        | 3.15        |             |
| E. R. Perham, expressing . .                         | 1.45        |             |
| <i>Amounts carried forward</i> .                     | \$60,488.48 | \$68,943.01 |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                         | \$60,488.48 | \$68,943.01 |
| George T. Day, expressing .                              | .85         |             |
| Glines & Co., expressing .                               | .15         |             |
| Gilman Express Co., express-<br>ing . . . . .            | 4.80        |             |
| R. H. Gunsenheiser, compen-<br>sation for damages . . .  | 16.40       |             |
| Martin L. King, compensation<br>for damages . . . . .    | 20.00       |             |
| Charles R. King, compensa-<br>tion for damages . . .     | 1.50        |             |
| Alexander Munroe, compensa-<br>tion for damages . . .    | 6.00        |             |
| Lawrence Cotter, money re-<br>funded . . . . .           | 5.00        |             |
| Mary Allen, money refunded .                             | 5.00        |             |
| Elizabeth Morrison, money<br>refunded . . . . .          | 2.00        |             |
| George W. Prichard, money<br>refunded . . . . .          | 2.90        |             |
| Samuel Shaw, money refunded                              | 19.50       |             |
| Richard B. Falvey, money<br>refunded . . . . .           | 9.60        |             |
| Richard R. Wyllie, money re-<br>funded . . . . .         | 5.00        |             |
| Emeline T. Sherman, money<br>refunded . . . . .          | 2.50        |             |
| Susie E. Moran, money re-<br>funded . . . . .            | 2.50        |             |
| Elizabeth Ross, money re-<br>funded . . . . .            | 5.00        |             |
| Suzella & Maidelle Cummings,<br>money refunded . . . . . | 2.50        |             |
| Mary E. Kingsley, money re-<br>funded . . . . .          | 5.00        |             |
| Sewers, Maintenance account,<br>repairs . . . . .        | 56.10       |             |
| <i>Amounts carried forward</i> .                         | \$60,660.78 | \$68,943.01 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> . . . . .                      | \$60,660.78 | \$68,943.01 |
| Builders Iron Foundry, cast-ings . . . . .                    | 1,240.27    |             |
|   | <hr/>       |             |
|   | \$61,901.05 |             |
| Water Works Extension account, amount transferred . . . . .   | 7,000.00    |             |
| Excess and Deficiency, balance to credit of account . . . . . | 41.96       |             |
|   | <hr/>       |             |
|   |             | \$68,943.01 |

## WATER SERVICES.

## CREDIT.

|  |            |
|--|------------|
| Cash, received of Andrew R. Lewis, additional charge on service pipe . . . . . | \$8.98     |
| Water Service Assessments, cost of services laid                               | 3,516.24   |
|  | <hr/>      |
|  | \$3,525.22 |

## DEBIT.

|  |            |
|--|------------|
| Cash, paid laborers . . . . .                        | \$1,544.21 |
| Water Maintenance account, stock and labor . . . . . | 1,597.06   |
| Balance transferred . . . . .                        | 383.95     |
|  | <hr/>      |
|  | \$3,525.22 |

## WATER SERVICE ASSESSMENTS.

## CREDIT.

|  |            |
|--|------------|
| Cash, received of Sundry Persons, water services | \$3,516.24 |
|--|------------|

## DEBIT.

|  |            |
|--|------------|
| Water Services, pipes laid in 1898 . . . . . | \$3,516.24 |
|--|------------|

## WATERING STREETS ASSESSMENTS.

## CREDIT.

|   |          |
|---|----------|
| Cash, received of Sundry Persons . . . . .  | \$757.08 |
| Watering streets, amount abated . . . . .   | 22.80    |
| Balance to debit in account, 1899 . . . . . | 16.12    |
|   | <hr/>    |
| <i>Amount carried forward</i> . . . . .     | \$796.00 |

*Amount brought forward* . . . . . \$796.00

## DEBIT.

Balance from 1897 . . . . . \$796.00

## WATERING STREETS.

## CREDIT.

Appropriations, amount assessed , . . . \$ 3,500.00

Taxes, assessments levied . . . . . 13,384.48

Cash, received of abutters . . . \$ 36.40

West End Street Railway Co.,  
season of 1898 . . . . . 309.48

345.88

\$17,230.36

## DEBIT.

Cash, paid N. C. Barker, over-  
seeing . . . . . \$765.00

Frank Buttimer, watering . . . 958.85

Martin Gill, watering . . . 952.23

Henry McAvoy, watering . . . 982.25

A. M. Prescott, watering . . . 991.28

J. B. Rufer, watering . . . 984.51

R. M. Sturtevant, watering . . . 494.52

C. P. Sanborn, watering . . . 450.71

Thomas F. Casey, watering . . . 453.04

T. F. Crimmings, watering . . . 453.04

John F. Elkins, watering . . . 906.09

Eugene Gormley, watering . . . 906.09

Mrs. Henry Gray, watering . . . 453.04

Henry McAvoy, Jr., watering . . . 453.04

Philip McGovern, watering . . . 444.79

I. L. Smith, watering . . . 450.71

Benjamin Thomas, watering . . . 531.99

I. H. Wiley, paint . . . . . 6.03

Highways account, painting  
carts . . . . . 12.00

*Amounts carried forward* . . . \$11,649.21 \$17,230.36

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                               | \$11,649.21 | \$17,230.36 |
| J. L. & H. K. Potter, watering<br>carts and repairs . . . . .  | 896.01      |             |
| Seward Dodge, repairs of carts                                 | 85.50       |             |
| L. A. Wright, repairs of carts                                 | 51.45       |             |
| F. Dooris, repairs of carts .                                  | 1.00        |             |
| Frank W. Leavitt, repairs of<br>carts . . . . .                | .75         |             |
| J. B. Rufer, repairs of carts .                                | 6.30        |             |
| Somerville Journal Co., adver-<br>tising . . . . .             | 6.25        |             |
| Somerville Citizen Co., adver-<br>tising . . . . .             | 5.50        |             |
| Charles S. Robertson, premium<br>of insurance . . . . .        | 40.00       |             |
| H. Wood, keys . . . . .  | .65         |             |
| Watering Streets Assessments,<br>abatements . . . . .          | 22.80       |             |
| City of Somerville, water .                                    | 4,250.56    |             |
|  | <hr/>       |             |
|  | \$17,015.98 |             |
| Excess and Deficiency, balance<br>to credit of account . . . . | 214.38      |             |
|  | <hr/>       |             |
|  |             | <hr/> <hr/> |
|  |             | \$17,230.36 |

## WATER WORKS EXTENSION.

## CREDIT.

|   |             |
|---|-------------|
| Water Works Income, amount appropriated .     | \$20,000.00 |
| Water Maintenance account, amount transferred | 7,000.00    |
|   | <hr/>       |
|   | \$27,000.00 |

## DEBIT.

|   |             |             |
|---|-------------|-------------|
| Cash, paid laborers . . . . .   | \$ 5,610.95 |             |
| Rufus E. Lord, contract for<br>the construction of stable<br>and shop . . . . . | 10,948.36   |             |
|   | <hr/>       |             |
| <i>Amounts carried forward</i> .  | \$16,559.31 | \$27,000.00 |



|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .                          | \$16,559.31 | \$27,000.00 |
| Aaron H. Gould, services as architect . . . . .           | 670.00      |             |
| Hatch & Farnum, floors .                                  | 76.00       |             |
| W. A. Murtfeldt Co., granolithic work . . . . .           | 615.93      |             |
| J. T. Croft, stall fixtures .                             | 40.90       |             |
| Priest, Page & Co., scale .                               | 119.00      |             |
| Frank W. Bickford, carpentering . . . . .                 | 96.10       |             |
| W. J. McCarthy, chip stone .                              | 1,014.40    |             |
| W. F. Cleveland, electrical work . . . . .                | 174.09      |             |
| E. J. Miers & Co., pitch .                                | 3.60        |             |
| Chapman & Soden, pitch .                                  | 6.00        |             |
| S. W. Fuller, lumber . . .                                | 117.36      |             |
| Star Brass Mfg. Co., gauges .                             | 23.25       |             |
| Braman, Dow & Co., fittings .                             | 725.06      |             |
| Howe & Flint, hardware .                                  | 546.97      |             |
| Boston Lead Mfg. Co., pipe .                              | 93.46       |             |
| Neptune Meter Co., meters .                               | 1,504.55    |             |
| Hersey Mfg. Co., meters .                                 | 1,238.00    |             |
| National Meter Co., meters .                              | 1,604.50    |             |
| Union Water Meter Co., meters                             | 1,475.10    |             |
| Thomson Meter Co., meter .                                | 8.90        |             |
| Fred W. Gow, meter clamps .                               | 69.50       |             |
| City of Boston, meter fittings.                           | 160.29      |             |
| City of Cambridge, castings .                             | 2.00        |             |
| Osgood & Hart, castings .                                 | 5.90        |             |
| Portland Stone Ware Co., drain pipe . . . . .             | 20.05       |             |
|   | <hr/>       |             |
|   | \$26,970.22 |             |
| Excess and Deficiency, balance to credit of account . . . | 29.78       |             |
|   | <hr/>       |             |
|   |             | \$27,000.00 |
|   |             | <hr/> <hr/> |

## WATER WORKS, INCOME.

## CREDIT.

|                                       |   |   |              |
|---------------------------------------|---|---|--------------|
| Cash, received of Sundry Water takers | . | . | \$195,456.15 |
|---------------------------------------|---|---|--------------|

## DEBIT.

|  |             |              |
|--|-------------|--------------|
| Water Maintenance account,<br>amount appropriated . . . . .                            | \$60,000.00 |              |
| Interest account, amount appro-<br>priated . . . . .                                   | 11,925.00   |              |
| Reduction of Funded Debt<br>account, amount appropri-<br>ated . . . . .                | 22,000.00   |              |
| Commonwealth of Massachu-<br>setts, Metropolitan water<br>assessment of 1898 . . . . . | 14,250.19   |              |
| Sewers, Construction account,<br>amount appropriated . . . . .                         | 67,280.96   |              |
| Water Works Extension,<br>amount appropriated . . . . .                                | 20,000.00   |              |
|  | <hr/>       | \$195,456.15 |
|  |             | <hr/> <hr/>  |

TABLE D.

BALANCES DECEMBER 31, 1898.

|   |                |                |
|---|----------------|----------------|
| Cash . . . . .  | \$ 70,376.04   |                |
| Public Property . . . . .   | 2,752,368.55   |                |
| Real Estate Liens . . . . .   | 1,664.60       |                |
| Sewer Assessments . . . . .   | 7,435.90       |                |
| Sidewalk Assessments . . . . .  | 5,193.11       |                |
| State of Massachusetts, Burial<br>of Indigent Soldiers and<br>Sailors . . . . .       | 455.00         |                |
| State of Massachusetts, Indi-<br>gent Soldiers and Sailors . . . . .                  | 257.00         |                |
| State of Massachusetts, State<br>Aid . . . . .  | 10,848.50      |                |
| Taxes . . . . .   | 355,654.19     |                |
| Watering Streets Assessments . . . . .  | 16.12          |                |
| Armory . . . . .  |                | \$ 10,122.76   |
| Excess and Deficiency . . . . .   |                | 16,549.22      |
| Fire Department, Fire Station<br>Clarendon Hill . . . . .                             |                | 7,650.00       |
| Funded Debt . . . . .   |                | 1,552,000.00   |
| Highways, Paving Webster<br>Avenue, Fitchburg Railroad<br>to Cambridge Line . . . . . |                | 253.25         |
| Overplus on Tax Sales . . . . .   |                | 157.13         |
| Property and Debt Balance . . . . .   |                | 1,200,368.55   |
| Public Library . . . . .  |                | 7.40           |
| Public Library, Isaac Pitman<br>Fund . . . . .  |                | 1,000.00       |
| Reduction of Funded Debt . . . . .  |                | 9,099.63       |
| Schoolhouse, Burns Addition . . . . .   |                | 12,000.00      |
| Schoolhouse, Ward Two . . . . .   |                | 28,221.47      |
| Schoolhouse, Prescott, Heating<br>and Ventilating . . . . .                           |                | 2,483.77       |
| <i>Amounts carried forward</i> . . . . .  | \$3,204,269.01 | \$2,839.913.18 |

|                                |       |                       |                       |
|--------------------------------|-------|-----------------------|-----------------------|
| <i>Amounts brought forward</i> | .     | \$3,204,269.01        | \$2,839,913.18        |
| Sewers, Construction           | . .   |                       | 16,882.23             |
| Sundry Persons                 | . . . |                       | 27,473.60             |
| Support of Poor, Almshouse     | .     |                       | 20,000.00             |
| Temporary Loans                | . . . |                       | 300,000.00            |
| <i>Amounts carried forward</i> | .     | <u>\$3,204,269.01</u> | <u>\$3,204,269.01</u> |

REPORT  
OF THE  
TRUSTEES OF THE PUBLIC LIBRARY.



## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 18, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 18, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

BOARD OF TRUSTEES AND OFFICERS  
OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING  
DECEMBER 31, 1898.

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**TRUSTEES.**

|                      |                        |
|----------------------|------------------------|
| JOHN B. VIALL.       | CHRISTOPHER E. RYMES.  |
| J. FRANK WELLINGTON. | CHARLES H. BROWN.      |
| CHARLES W. SAWYER.   | CHARLES A. WEST.       |
| CHARLES S. LINCOLN.  | EDWARD C. BOOTH, M. D. |
| GEORGE W. PERKINS.   |                        |

**OFFICERS.**

|                              |                   |
|------------------------------|-------------------|
| CHARLES S. LINCOLN . . . . . | <i>President.</i> |
| SAM WALTER FOSS . . . . .    | <i>Secretary.</i> |

**COMMITTEES.**

BUILDING AND GROUNDS.—Rymes, Viall and Brown.

ADMINISTRATION.—Wellington, Sawyer and Perkins.

BOOKS AND CATALOGUES.—Lincoln, *ex officio*, Rymes, Viall, Brown, West and Booth.

FINANCE.—Sawyer, Wellington and Perkins.

**LIBRARIAN.**

SAM WALTER FOSS.

**ASSISTANT LIBRARIAN.**

ADELE SMITH.

**CATALOGUER.**

F. MABEL NORCROSS.

**ASSISTANTS.**

|                   |                  |
|-------------------|------------------|
| ANNA L. STONE.    | MABEL E. BUNKER. |
| MARY J. WARREN.   | MARY S. WOODMAN. |
| ESTHER M. MAYHEW. | F. EDWARD KAULA. |
| AUBREY A. HILLS.  |                  |

**JANITOR.**

CHARLES A. SOUTHWICK.

## RECEIPTS AND EXPENDITURES FOR 1898.

## CREDIT.

|  |             |
|--|-------------|
| Appropriation . . . . .                      | \$7,500.00  |
| Dog Tax . . . . .                            | 2,268.86    |
| Fines . . . . .                              | 472.17      |
| Catalogues . . . . .                         | 31.00       |
| Books sold . . . . .                         | 12.76       |
| Cash found in safe . . . . .                 | 2.45        |
| A. Storrs & Bement (overpaid bill) . . . . . | 3.00        |
|  | <hr/>       |
|  | \$10,290.24 |

## DEBIT.

|                                   |                    |
|-----------------------------------|--------------------|
| Balance from 1897 . . . . .       | \$ 139.01          |
| Books and periodicals . . . . .   | 2,881.18           |
| Binding . . . . .                 | 854.95             |
| Cards . . . . .                   | 21.75              |
| Printing . . . . .                | 211.60             |
| Stationery . . . . .              | 47.03              |
| Salaries . . . . .                | 4,608.35           |
| Agencies . . . . .                | 151.40             |
| Furniture . . . . .               | 160.34             |
| Repairs . . . . .                 | 135.93             |
| Express . . . . .                 | 201.53             |
| Electric light . . . . .          | 260.37             |
| Gas . . . . .                     | 30.10              |
| Water . . . . .                   | 26.00              |
| Fuel . . . . .                    | 183.78             |
| Postage . . . . .                 | 15.00              |
| Telephone . . . . .               | 58.52              |
| Labor . . . . .                   | 39.75              |
| Insurance . . . . .               | 191.25             |
| Supplies . . . . .                | 24.55              |
| Disbursements . . . . .           | 40.45              |
| Balance carried to 1899 . . . . . | 7.40               |
|                                   | <hr/>              |
|                                   | <u>\$10,290.24</u> |

## CITY OF SOMERVILLE.

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December 27, 1898.

TO THE HONORABLE, THE CITY COUNCIL :—

*Gentlemen* : — The annual report of the Trustees of the Public Library is herewith respectfully submitted.

The last year has been an eventful year in the history of the library. On March 7th, Mr. John S. Hayes, librarian and secretary of the Board of Trustees for five years, suddenly died in the midst of a career of usefulness to the community, and of honor to himself. The trustees have elsewhere expressed their sorrow at his early death, in formal memorial, but cannot refrain from again bearing testimony; as Trustees, to the great value of his services to the library, and as friends, to the high esteem in which he was held by all who knew him. By his intelligence, energy and enthusiasm the library underwent a new birth, and took her rightful place in the newly-awakened movement of the library as an educational force.

During his term of service the great work of classifying the volumes of the library, by subjects and on an approved decimal system, was carried out and a finding-list prepared. Selected collections of French and German works, and books for the blind were added. Important relations were established with the public schools, and a monthly bulletin was begun, designed to bring readers more in touch with the resources of the library and facilitate a more intelligent use of its collections—these changes tending directly to a largely increased use of the institution, and in his own words “to the laying of a foundation for greater usefulness in the future.”

Thus, in the midst of a realization of results accomplished, and in the sanguine hope of greater achievements in the future, the earnest and successful educator in two co-ordinate

and related fields, the good citizen and the loyal friend passed from his earthly work.

In looking for a successor who should appreciate the true position of the Library of To-day, as an educational factor in the community, and vigorously take up and carry on the work begun by Mr. Hayes, the Trustees sought a man who, besides being a person of ideas, energy, self-confidence, good business habits, and a broad, general education, should possess a critical taste and a deep and abiding love of literature and a large acquaintance with it, united with an enthusiasm and tact in leading others to a knowledge of its benefits and enjoyments. Familiarity with the technical work of a library, though, was deemed not essential, and a preference was given to a resident of Somerville.

The first choice of the Trustees was Mr. James F. Beard, cashier of the Somerville National Bank. Mr. Beard, a graduate of Dartmouth College, had long been a valued member of the School Committee, had always been identified with the best interests of the city, and was largely and favorably known among the citizens. Mr. Beard accepted the position only to recall his acceptance a few days later, as his services were found by the bank directors to be indispensable to the bank. The subsequent choice fell upon Mr. Sam Walter Foss, the poet, a resident of this city for the last ten years; and the Trustees believe themselves fortunate in securing a person so nearly conforming to the standard set. Mr. Foss was elected on May 16th, and in his annual report has given ample evidence of his comprehension of the needs of the library and the part it should play as an educational force in the community.

Miss Clara L. Bidwell, the capable assistant librarian, had sent in her resignation before Mr. Hayes's death, but kindly consented, at personal inconvenience, to continue her services till a new librarian was elected. In April her place was taken by Miss Adele Smith, a competent person who had received a theoretical and practical training at the Amherst Library School, and had had six months experience in this library. The efficient cataloguer, Miss Norcross, and the corps of assistants have continued in the service of the library acceptably and without change.



Those who were familiar with the work of a public library twenty-six years ago, when this library was established, will be struck with the difference in the scope and magnitude of the work now demanded of such an institution.

During the last twenty years the public library of the country has been evolving itself from a passive and conservative institution to an active and radical means of education. Formerly the object of a library was chiefly to hold a collection of books, whose jealous custodian was the librarian. Books there were for those who wished to consult them, but it was a matter of indifference whether they were consulted or not. The library of the present day, however, has been gradually taking on a new function. It not only aims more widely to unfold its treasures and to open the easiest possible road for inquiry and investigation regarding them, but apprehends that it fails to fulfil its highest mission, unless it actively goes out and offers in various ways its benefits to the people. This activity, now recognized as vital to the proper success of a public library, is incidental to the times and is analogous to that now prevailing in the commercial world. Formerly, the country merchant came to the city to buy ; now, while sitting in his office he is overrun with travellers bringing their samples, and crying the superior merits of their goods. Formerly the householder sought the butcher and the grocer, and carried home his supplies himself ; now, he is visited every morning, and orders are solicited and goods promptly and gratuitously delivered. Similarly, all articles of trade are skilfully brought before the public attention by samples or descriptions, and pictures, through the mails, or by liberal advertisements in the magazines and daily papers. In this great modern American movement the publishers have not lagged behind, so that multitudes of books, good, bad and indifferent, have been crowded upon us, sent out into the world with indiscriminate notices of praise. In this embarrassment of intellectual material, when books can be borrowed for the asking or bought for a song, when to read the daily papers and the insignificant fraction of the constantly appearing magazines is no light task, we become cloyed and indifferent to our advantages in the surfeit about

us. We are strongly tempted to read what first comes to hand, or what is most artfully foisted upon us, rather than to exert ourselves to make a judicious selection ; indeed, it requires no little knowledge, planning and resolution to make a fair use of our opportunities.

If this perplexity exists in the case of the adult, how much greater must it be in the young who are at the threshold of their education and experience ! Indeed, it is a matter of fact that children, when left to themselves, generally do not make a wise selection in their reading. The worthless and the bad being more prominently brought before the attention, tends to keep out the good. To meet this perplexity in the child, the modern library comes forward with its good offices, both by its own guidance and helpfulness in the institution itself and in co-operation with the schools. It establishes a children's department in the library building, where children can be entertained with suitable good reading, and it sends specially selected libraries to the schools. The children's room is made as attractive as possible, and its frequenters are made to feel that they have an ownership in the room, and that it is to some extent under their protection. Here they may consult the best juvenile magazines and take down from the shelves and examine such books as they please. In the second branch of children's work the books of the special libraries are given out by the teachers to the pupils to carry home, or are lent to be read during school hours, as a reward of good behavior, or of proficiency in school work. These school libraries naturally help to form the taste of the pupil, and carry good books into many families which have previously had no relations with the library. These methods of children's work will do much to cultivate the habit of good reading among the young, which is such an important part of an education, and cannot fail in time to bear fruit in a better citizenship.

To return to the subject of the methods employed by the library to make its collection more accessible to the public :—the principal means to this end is a comprehensive, up-to-date card-catalogue. Such a catalogue, which is a very important part of a library's equipment, should embrace not only a list of all the books contained in the library, both by subjects

and by authors, but also a ready reference to topics incidentally treated in the various books to which the titles themselves give no cue. Other methods are the issuing of monthly bulletins, the posting of special lists on topics of general or local interest, and by the use of the local papers.

Allied to the subject of affording better facilities to the reader and student is the general recognition that the resources of the library should be accessible to the public for the greatest possible number of hours in the week. How far the Somerville library has advanced in the past of the Library of To-day, as outlined above, will be seen by reference to the Librarian's report, which is appended to this report, and made a part of it. The various recommendations herein presented have been carefully considered by the trustees and have received their endorsement.

It will be our province only to touch upon and emphasize a few of the points brought out in the Librarian's report.

It may be said at the beginning that the library needs some expenditure to develop certain departments, either in which was an original deficiency or where rapid modern progress has left the department behind the times.

The want of a suitable catalogue has long been felt and has now become an urgent need. It has, indeed, been slowly progressing during the last year as the leisure of the cataloguer and the assistants from routine duties has permitted, but it should be rapidly pushed forward and finished during the coming year. This can be done only by a considerable outlay for cases and cards and by the hire of an additional assistant.

It will be seen that the library is working harmoniously and successfully with the schools. To the high schools, books are very freely supplied for reference and collateral reading. To the various rooms of the grammar schools, special libraries are sent as hitherto. This work is suffering, however, for the want of sufficient duplicates, that the schools in all sections of the city may be equally served. The children's room has been highly successful since its recent opening, but this department requires an immediate outlay to ensure its proper usefulness.

The trustees have not yet been able to throw open the doors of the library for so many hours of the week as they think



desirable. It seems unjust to the great body of the people that they should be debarred from a use of the library at almost the only times in which they have the opportunities to use it. With the means at command, however, it has not been practicable to increase the evening opening beyond the present two evenings in the week ; but it was found that very little additional expense would suffice to open the reading and reference room on Sunday afternoons. Consequently, this innovation was made in November.

In the matter of Sunday opening, the trustees believe that no arguments are necessary in justification of their action. The propriety of such a step has been recognized in this country by the general opening of the public libraries in the larger cities, and in England, by the formal opening by Parliament in 1896, of the six great libraries and museums of London, on that day. As showing the trend of thought which brought about this great innovation in England, we quote from the words of the Lord Bishop of Manchester, and of Lord Hobhouse. The former says : "I firmly believe that the cause of what is best and highest in our national life, both secular and religious, will be promoted, not hindered by our encouraging the use of public libraries and the study of masterpieces of art and the treasures of archæology and science, on Sunday afternoon, by those who, as a matter of fact, are precluded on week days from availing themselves of such opportunities."

Lord Hobhouse expresses the conviction that it makes "the use of Sunday more beneficial and more adapted to the varieties of human character and conditions . . . not adding anything appreciable to the labor which is necessary under any system to keep the world going ; not detracting from public worship, yet providing more varied mode of enjoyment, whether intellectual, or æsthetic, or muscular, to give refreshment to people differing in temperament or in condition of life."

The greatly increased use of the library in all departments, the utter inadequacy of the delivery-room, long painfully apparent to the public—a room which must soon be further encroached upon by the case of the card-catalogue—the overflowing of the children's room, and the many uses to which the

cataloguer's room has been put, have compelled the trustees to look about for necessary increased accommodations. They believe that the time has come when the library can no longer perform its proper duty to the public as an educational institution, unless its quarters are enlarged. All available space above ground is fully utilized. A large room in the basement is already in use as a storeroom, and a part of the boiler-room must ultimately be taken for the same purpose. It is believed that any serious attempt to establish a children's room in the basement, which has been in contemplation, requiring as it would important changes in the distribution of the steam-pipes, the building of a suitable entrance and the underground enlargement of all the windows, would involve an expense of several thousands of dollars, and when finished would prove to be, on the ground of health alone, an unsuitable place for children to resort to.

Therefore, after careful consideration, the trustees feel it to be their duty to recommend to your Honorable Board and to ask for an addition to the library building, as the only satisfactory way out of the difficulty, and the cheapest in the end. In the hope that this relief might be facilitated, they have provided themselves with a plan and general outline of what seems to them required. These will be presented under another communication.

If the Somerville Library is expected to do the work given a library to do to-day, the Trustees do not see how this work is to be done without larger space to do it in and greater means to do it with.

Respectfully submitted for the Board of Trustees,

CHARLES S. LINCOLN, *President*.

December 31, 1898.





## REPORT OF THE LIBRARIAN OF THE PUBLIC LIBRARY.

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TO THE TRUSTEES OF THE SOMERVILLE PUBLIC LIBRARY:—

I herewith submit the Librarian's twenty-sixth annual report.

Assuming the duties of the position last May as the successor of one who had made a place for himself among the most efficient librarians of the day, the responsibilities of the untried position were duly realized, and the desire to keep the library up to our standards of the past and our hopes for the future were naturally very strong. In the pursuance of this aim a number of changes have been inaugurated.

### A CHILDREN'S ROOM.

The most important work of a public library is to reach the young and influence them beneficially. If this is not done, all our advanced appliances, all our highly organized systems are simply noisy machines, grinding out but little product. The youth of Somerville, both directly and through the schools, have come into very close relations to the library, and in this way its influence for good has been incalculable. This influence has been greatly enhanced the present year by the opening of a special children's room.

The old reading-room on the first floor has been remodelled, its sides have been lined with shelves which have been filled with the best juvenile books the library affords. The selection of these books have been made with great care. No books of known worthlessness can find admittance upon these shelves. Books entertaining without sensationalism, instructive without pedantry, and moral without "goody-goodiness" are the ones that have found a place in our new children's

room. The best biographies, the best books of travel, the best books on nature study, the best selected juvenile fiction, the best juvenile periodicals, a good assortment of picture books for the very young, make up the collection. The books are free of access to all occupants of the room, and can be read in the room or taken out on a regular library card. The success of the room has been great, even to embarrassment. Since its opening the utter inadequacy of the library to accommodate its patrons has once more been strikingly emphasized. After school hours on school days, and on Saturdays and Sundays, the room is sometimes suffocatingly crowded. The children of the city appreciate such a room as this so thoroughly that it is a matter of great regret that we are not able at present to supply them with a room sufficiently spacious for their comfortable enjoyment.

The books placed upon the shelves of this new children's room are almost exclusively duplicates. Unless we have more than one copy of a book we have allowed it to remain upon the shelves of the stack room, and we have not deemed it right to rob the other children of the city of its reading for the sake of giving it to the children who visit the children's room. Consequently the number of books in the children's room is not as large as might be desired. I recommend that two hundred and fifty dollars be used during the coming year for the purchase of new books for this room.

#### A NEW READING ROOM.

The changing of the old reading room into a children's room necessitated the changing of the study and reference room upstairs into a general reading room. This room is the largest and most sightly room in the building, and the public has been greatly appreciative of the more commodious accommodations it furnishes. This is attested by the greatly increased numbers that frequent it. Since this room has been made into a general reading room its average daily attendance has been seventy-six. Before the change the attendance was twelve. So this room, although twice the capacity of the old reading room, is at times seriously overcrowded. This congestion has been so

great at seasons that the exclusion of children from the room has been contemplated. But such a step should not be taken without deliberation. A child who is really interested in the books and periodicals in this room should not be debarred from the privilege of using them. To do so would be to stunt the development of a growing mind. A boy who desires to read the literature of a man should no longer be treated like a child.

### A ROOM FOR QUIET STUDY.

The public documents, which were formerly stored in the little room over the hallway, have been removed to a room that has been fitted up for them in the east wing of the basement. Since the removal of the documents the room has been used as a room for quiet study by those desirous of making special investigations. When the room is not occupied it can be obtained by any one for this purpose by applying to the attendant in the reading room. This room should be supplied with a better table.

By these recent changes the rooms in the second story of the library are used to a greatly increased extent; and the time may come when the second floor will be utilized to something like the extent of the first floor. In our present overcrowded condition, it is desirable that the people should be distributed as evenly as practicable throughout the building.

### A CARD CATALOGUE.

The need of another catalogue has been felt for some time. Our present finding-list was published in 1895, when the number of books in the library was less than thirty thousand. The number has now increased to over forty-four thousand, and thus nearly fifteen thousand books now in the library are not mentioned in any printed catalogue, or in any single catalogue of any kind. Early in the summer it was voted by your Board to prepare a new complete card catalogue, with each book mentioned under its author, under its title and under its subject, with all the cross references necessary to make it easily accessible to the average reader. The work of preparing this catalogue progresses slowly, and as it must be done by the cataloguer and



her assistants in addition to the regular work of her department, much time must necessarily elapse before the work is completed. The need of such a catalogue is so apparent and urgent, the securing of some extra help while the making of the catalogue is in progress seems to me desirable.

## CIRCULATION.

During the past year the number of volumes taken out has been 212,817. Of these, 18,874 were distributed through the West Somerville agency, 8,986 through the agency at East Somerville, and through the South Somerville agency, 4,545. The number of books distributed through the grammar schools has been 10,755. The aggregate increase of the library's circulation during the year has been 19,326.

## GIFTS.

The Library has received the following donations of books during the year :

## LIST OF DONATIONS, 1898.

|  | Vol. | Pamph. | Period. |
|--|------|--------|---------|
| Adams, Mrs. M. L. . . . .                | 1    |        |         |
| American Irish Society . . . . .         | 1    | 1      |         |
| Ashton, W. H. . . . .                    |      | 1      |         |
| Austin, A. O. . . . .                    | 1    |        |         |
| Barnes, W. A. . . . .                    |      | 1      |         |
| Benton, J. B. . . . .                    |      | 1      |         |
| Berry, Charles W. . . . .                | 16   |        |         |
| Boston, City of . . . . .                | 6    |        |         |
| Boston Book Co. . . . .                  |      |        | 5       |
| Boston Transit Commission . . . . .      | 1    |        |         |
| Cambridge, City of . . . . .             | 1    |        |         |
| Chandler, L. B. . . . .                  | 1    |        |         |
| Chelsea, City of . . . . .               | 1    |        |         |
| Christian Register . . . . .             |      |        | 52      |
| Christian Science Journal . . . . .      |      |        | 12      |
| Christian Science Weekly . . . . .       |      |        | 12      |
| <i>Amounts carried forward . . . . .</i> | 29   | 4      | 81      |



LIST OF DONATIONS.— *Continued.*

|   | Vol. | Pamph. | Period. |
|---|------|--------|---------|
| <i>Amounts brought forward</i>                | 29   | 4      | 81      |
| Codding, W. M. . . . .                        | 1    |        |         |
| Comey, Mrs. E. L. . . . .                     | 5    |        |         |
| Cook's Excursionist . . . . .                 |      |        | 6       |
| Crain, C. H. . . . .                          | 2    |        |         |
| Creighton, Mrs. H. R. . . . .                 |      | 1      |         |
| Cummings, S. S. . . . .                       | 1    |        |         |
| Daughters of Maine Club, Somerville . . . . . |      | 4      |         |
| Davis, W. A. . . . .                          | 1    |        |         |
| Detroit, City of . . . . .                    |      | 1      |         |
| Dodge, Martin . . . . .                       | 2    |        |         |
| Dolbear, A. E. . . . .                        | 1    |        |         |
| Eliot (Me.) Historical Society . . . . .      | 1    |        |         |
| Elliot, Charles D. . . . .                    | 1    | 1      |         |
| Elliot, Mary E. . . . .                       | 1    |        |         |
| Food, Home and Garden . . . . .               |      |        | 8       |
| Foss, Mollie . . . . .                        | 6    |        |         |
| Foss, Sam Walter . . . . .                    | 3    |        | 26      |
| Foss, Saxton C. . . . .                       | 4    |        |         |
| Goldsmith, B. W. . . . .                      | 7    |        |         |
| Goss, George H. . . . .                       | 2    |        |         |
| Green, S. A. . . . .                          |      | 1      |         |
| Hapgood, Warren . . . . .                     | 1    |        |         |
| Hayes, John S. . . . .                        | 114  |        |         |
| Hayes, Mrs. John S. . . . .                   |      | 1      |         |
| Hichborn, William . . . . .                   | 1    |        |         |
| Holt, Harry . . . . .                         | 1    |        |         |
| Home Market Bulletin . . . . .                |      |        | 12      |
| Howe Memorial Press . . . . .                 | 13   |        |         |
| Johnson, J. B. . . . .                        |      | 1      |         |
| Lake Mohonk Arbitration Conference . . . . .  |      | 1      |         |
| Land of Sunshine, Los Angeles, Cal. . . . .   |      |        | 12      |
| League of American Wheelmen . . . . .         |      |        | 52      |
| Lee & Shepard . . . . .                       | 1    | 3      |         |
| Libbey Glass Co. . . . .                      | 1    |        |         |
| Lincoln, Charles S. . . . .                   | 2    | 1      |         |
| Literary News . . . . .                       |      |        | 12      |
| Loring, G. F. . . . .                         | 2    |        |         |
| <i>Amounts carried forward</i>                | 203  | 19     | 209     |

LIST OF DONATIONS.— *Continued.*

|  | Vol. | Pamph. | Period. |
|--|------|--------|---------|
| <i>Amounts brought forward</i> . . .                 | 203  | 19     | 209     |
| McGlenan, E. W. . . . .                              | 1    |        |         |
| Manifesto . . . . .                                  |      |        | 12      |
| Massachusetts, State of . . . . .                    | 48   |        |         |
| Massachusetts Prison Association . . . . .           |      | 1      |         |
| Massachusetts Public Library Commissioners . . . . . |      | 1      |         |
| Meadville (Pa.) Theological School . . . . .         |      | 1      |         |
| Medical Record . . . . .                             |      |        | 1       |
| Minneapolis (Minn.), City of . . . . .               | 1    |        |         |
| Morse, Alice W. . . . .                              | 4    |        |         |
| Neily, S. T. . . . .                                 | 1    |        |         |
| New England Anti-Vivisection Society . . . . .       |      |        | 12      |
| New York, State of . . . . .                         | 3    |        |         |
| New Philosophy . . . . .                             |      |        | 7       |
| Nicolls, W. J. . . . .                               |      | 1      |         |
| Olmstead, D. H. . . . .                              | 1    |        |         |
| Our Outlook . . . . .                                |      |        | 24      |
| Palmer, C. F. . . . .                                | 1    |        |         |
| Parsons, Frank . . . . .                             | 1    |        |         |
| Parsons, J. R. . . . .                               | 1    |        |         |
| People . . . . .                                     |      |        | 52      |
| Perkins, G. W. . . . .                               | 2    |        |         |
| Perry Mason Co. . . . .                              |      | 1      |         |
| Plummer, E. M. . . . .                               |      | 1      |         |
| Public Libraries:—                                   |      |        |         |
| Allegheny, Pa. . . . .                               |      | 1      |         |
| Amesbury . . . . .                                   |      |        | 1       |
| Baltimore, Md., Enoch Pratt Library . . . . .        |      | 1      |         |
| Bangor, Me. . . . .                                  |      | 1      |         |
| Boston . . . . .                                     |      | 1      | 12      |
| Brookline . . . . .                                  |      | 1      | 5       |
| Brooklyn, N. Y. . . . .                              |      | 1      |         |
| Brooklyn, N. Y., Pratt Institute . . . . .           |      | 1      |         |
| Burlington, Vt. . . . .                              |      | 1      |         |
| Cambridge . . . . .                                  |      | 1      | 10      |
| Chelsea . . . . .                                    |      | 1      |         |
| Cincinnati, O. . . . .                               |      | 1      |         |
| <i>Amounts carried forward</i> . . . . .             | 267  | 36     | 345     |

LIST OF DONATIONS.—*Continued.*

|   | Vol. | Pamph. | Period. |
|---|------|--------|---------|
| <i>Amounts brought forward</i> . . .        | 267  | 36     | 345     |
| Public Libraries ( <i>Continued</i> ):—     |      |        |         |
| Clinton . . . . .                           |      | 1      |         |
| Concord . . . . .                           |      | 1      |         |
| Council Bluffs, Ia. . . . .                 |      | 1      |         |
| Dedham . . . . .                            |      | 1      |         |
| Detroit, Mich. . . . .                      |      | 1      |         |
| Dover, N. H. . . . .                        |      | 1      |         |
| Everett . . . . .                           |      | 1      |         |
| Fall River . . . . .                        |      | 1      |         |
| Fitchburg . . . . .                         |      | 1      | 6       |
| Hartford, Conn. . . . .                     |      | 1      | 5       |
| Jersey City, N. J. . . . .                  |      | 1      | 2       |
| Lancaster . . . . .                         |      | 1      |         |
| Lawrence . . . . .                          |      | 1      | 4       |
| Leeds, England . . . . .                    |      | 1      |         |
| Leicester . . . . .                         |      | 1      |         |
| Littleton, Reuben Hoar Library . . . . .    |      | 1      |         |
| London, Eng., Clerkenwell Library . . . . . |      | 1      |         |
| Lowell . . . . .                            |      |        | 3       |
| Lynn . . . . .                              |      | 1      | 3       |
| Malden . . . . .                            |      | 1      |         |
| Manchester, N. H. . . . .                   |      | 1      |         |
| Medford . . . . .                           |      | 1      |         |
| Melrose . . . . .                           |      | 1      |         |
| Milwaukee, Wis. . . . .                     |      |        | 2       |
| Minneapolis, Minn. . . . .                  |      | 1      |         |
| Natick . . . . .                            |      | 1      |         |
| New Bedford . . . . .                       |      | 1      | 8       |
| New Haven, Conn. . . . .                    |      | 2      | 12      |
| New London, Conn. . . . .                   |      |        | 4       |
| New York, N. Y. . . . .                     |      |        | 12      |
| Newark, N. J. . . . .                       |      | 1      | 10      |
| Newton . . . . .                            |      | 1      |         |
| North Adams . . . . .                       |      | 1      |         |
| Northampton . . . . .                       |      | 1      |         |
| Norwich, Conn., Otis Library . . . . .      |      | 1      | 8       |
| Paterson, N. J. . . . .                     |      | 1      | 6       |
| <i>Amounts carried forward</i> . . . . .    | 267  | 69     | 430     |

LIST OF DONATIONS.—*Continued.*

|  | Vol. | Pamph. | Period. |
|--|------|--------|---------|
| <i>Amounts brought forward . . .</i>         | 267  | 69     | 430     |
| Public Libraries ( <i>Concluded</i> ) : —    |      |        |         |
| Peabody . . . . .                            |      | 1      |         |
| Peoria, Ill. . . . .                         |      | 1      |         |
| Philadelphia, Pa. . . . .                    |      | 2      |         |
| Pittsburgh, Pa., Carnegie Library . . . . .  |      | 1      |         |
| Pittsfield . . . . .                         |      | 1      | 1       |
| Portland, Me. . . . .                        |      | 1      |         |
| Providence, R. I. . . . .                    |      | 1      | 12      |
| Providence Athenæum Library . . . . .        |      |        | 8       |
| Quincy, Thomas Crane Library . . . . .       | 1    | 1      |         |
| St. Louis, Mo. . . . .                       |      | 1      |         |
| St. Louis Mercantile Library . . . . .       |      | 1      |         |
| Salem . . . . .                              |      | 2      | 10      |
| San Francisco, Cal. . . . .                  |      | 1      | 10      |
| Scranton, Pa. . . . .                        |      | 1      | 2       |
| Springfield . . . . .                        |      | 1      | 10      |
| Syracuse, N. Y. . . . .                      |      | 1      |         |
| Taunton . . . . .                            |      | 1      |         |
| Waltham . . . . .                            |      | 1      | 9       |
| Winthrop . . . . .                           |      | 1      |         |
| Woburn . . . . .                             |      | 1      |         |
| Quinn, J. C. . . . .                         | 1    |        |         |
| Radiator, Somerville High School . . . . .   |      |        | 10      |
| Raymond & Whitcomb, Publishers . . . . .     |      | 2      |         |
| Reform Club Committee . . . . .              | 1    |        |         |
| Rock, Lulie M. . . . .                       | 3    |        |         |
| Sanborn, Helen J. . . . .                    | 1    |        |         |
| Schurman, Pres. Cornell University . . . . . | 1    |        |         |
| Scot's Charitable Society . . . . .          | 1    |        |         |
| Scott, Rev. W. . . . .                       |      | 8      |         |
| Simms, Joseph . . . . .                      | 1    |        |         |
| Somerville, City of . . . . .                | 2    |        |         |
| Somerville Historical Society . . . . .      |      | 4      |         |
| Somerville Journal . . . . .                 |      |        | 104     |
| Towle Manufacturing Co. . . . .              | 1    |        |         |
| Tuftonian, Tufts College . . . . .           |      |        | 5       |
| <i>Amounts carried forward . . .</i>         | 280  | 104    | 611     |

LIST OF DONATIONS.—*Concluded.*

|                                      | Vol. | Pamph. | Period. |
|--------------------------------------|------|--------|---------|
| <i>Amounts brought forward</i> . . . | 280  | 104    | 611     |
| Tufts Weekly, Tufts College . . .    |      |        | 36      |
| Turner, Walter F. . . . .            | 1    |        |         |
| United States . . . . .              | 27   |        | 82      |
| Walker, Col. E. . . . .              | 1    |        |         |
| Washington News Letter . . . . .     |      |        | 4       |
| West, C. A. . . . .                  | 1    |        |         |
| West & Jenny . . . . .               |      |        | 5       |
| Whitaker, J. E. . . . .              | 1    |        |         |
| Willis, C. W. . . . .                | 2    |        |         |
| Woman's Journal . . . . .            |      |        | 52      |
| Wood, Mrs. A. H. . . . .             | 1    |        |         |
| Woodman, Mary S. . . . .             | 1    |        |         |
| <i>Totals</i> . . . . .              | 315  | 104    | 790     |

As will be seen by the above table, the library has received gifts of books during the past year of considerable value. People are growing more into the habit of giving books to their public libraries, although the habit is not as widespread as it might easily be. There are thousands of books in private libraries that after the first reading are never read again. They may be intrinsically valuable, but they are practically useless. They are lumber, waste, superfluous, sealed as securely as the books mentioned in the Apocalypse. These books might do a world of good if they were in a public library where the people could read them. The public library should by no means supersede private collections, but every owner of a private collection, after he has used a book and it has served its purpose, can do nothing better than to present it to a public library, that the same purpose may be served repeatedly with other people. It is a tremendous waste of intellect and a woful misapplication of brain when a book capable of teaching, delighting and inspiring thousands is simply given one careless reading by one careless man. If all the owners of books in



every community, instead of hoarding their volumes after they are once through with them, should present them to their public libraries, the sum of human intelligence in those communities would be appreciably increased. If such a practice should become common in Somerville, it would not take many years for such a collection of books to be gathered together as could not be easily matched in other communities of equal size. It is true that in some cases a vast number of duplicates would be donated ; but these duplicates could easily be exchanged for other books, and thus prove real accessions to the library. The best book in the world is no good in the world, if nobody in the world reads it. The best disposition that can be made of such a book is to put it in the public library, where the largest possible number of people can obtain it.

A good library is justified in expecting other gifts, also. There are very few public libraries that are supported exclusively by the appropriation of the towns or cities in which they are situated. Many of them have, indeed, been built by private gift, and afterwards generously endowed by private bequests. The Somerville Public Library has not been fortunate in this respect. The Pitman fund of one thousand dollars is the only considerable money gift it has ever received. It is well for our philanthropic people to know that there are many lines, some of which are outlined in this report, along which the library could develop if the necessary means were at its disposal. In fact the library has now reached a point in which its onward course of almost unparalleled development must be retarded unless it is put in possession of largely increased means. It should be our aim to place and keep the library in the front file of the progressive institutions of its kind. Our sanguine hopes that means to this end will be furnished is based upon the public spirit of our citizens. It is true local patriotism for a public library to be somewhat audacious in soliciting gifts, and he who responds to the solicitation is more patriotic than the solicitor in the proportion that it is more blessed to give than to receive.

#### LIBRARY AGENCIES.

During the present month a new library agency has been established at the drug store of Mr. Herbert E. Bowman at

Magoun square. Our other three agencies are doing a steadily increasing work, and it is anticipated that this new agency will furnish convenient library facilities to a large number of people in the vicinity. There is still room for one or more agencies which could be established in localities so that they would not interfere with the work of the agencies already established. The librarian, in the time of my predecessor, was given authority to establish an agency on the southern side of the Fitchburg Railroad, but no place entirely satisfactory, on the score of location and desirability, has yet been found for this purpose.

#### SUNDAY OPENING.

Since early in November the two reading rooms of the library have been open to the public on Sundays from 3 to 7 P. M. That this new privilege has been greatly appreciated has been evidenced by the great number of visitors to the library during those hours. At times both rooms have been filled considerably beyond their comfortable capacity.

#### EVENING OPENING.

In opening the library on Sundays, it seems to me we have done an excellent but incomplete work. No library as large as our own, in a city as large as Somerville, should be closed during any evening of the week. A public library should be opened to the public when the public wants it opened; and of course there are no other hours of the twenty-four when a great proportion of our citizens can find an opportunity to visit the library at all. To keep the public library closed at the very hours when the public most wishes it open is not according that respect to public opinion demanded in a democratic community, and is defeating the very aim for which a public library is instituted. It is shutting the public from the books it has paid for, during the hours it most desires access to them. People would doubtless be less inconvenienced to have the library closed forenoons than to have it closed evenings. But a library in a city of nearly sixty thousand inhabitants should be opened at least from nine in the morning until nine

at night. While I earnestly recommend evening opening, I feel strongly that it should not be attempted with our present force. None of the attendants should be required to work during the entire day and the entire evening, too. A couple of extra attendants should be hired for evening service. This could be done without a largely increased expense.

### THE LIBRARY AND THE SCHOOLS.

There is a very close co-operation between the library and the schools, and many of the teachers are enthusiastic in their appreciation of the good the library has done their pupils. During the past year we have sent to the schools 10,755 volumes to be taken out by the pupils by card, and 13,265 to be kept in the schools as school libraries. These school libraries, which have usually consisted of twenty-five books to a room, are as a rule selected by the teachers themselves, who naturally choose the books they think most suitable to the ages and requirements of their scholars. I am sorry to say that our facilities for supplying these requests of the teachers are inadequate. The various teachers naturally ask to a great extent for the same books. Consequently the first applicants are approximately supplied with the books they ask for and the later applicants, in some instances, have not been able to obtain a single volume they requested. These latter applicants, consequently, are not to be blamed for thinking that our system of giving out school libraries is something of a farce. We now know to a considerable degree of exactness just what books are liable to be called for: and these books should be purchased by the library in sufficient numbers to supply the legitimate demand. At least two hundred and fifty dollars should be expended in this way at once, and at least one hundred dollars a year should be expended regularly for this purpose.

### BULLETINS.

Eleven bulletins have been issued the present year, the September and October numbers being brought out as a single issue. A new plan has been adopted in the bulletin, of giving short reviews of the most notable books purchased during the



month. No book receives such a notice unless it is regarded as a real contribution to human thought. In this way the attention of the public is called to the books of real excellence, and the best of our current literary product receives a wider reading. It is hoped to make these little reviews even more a feature of our monthly bulletins during the coming year.

### MUSIC.

The library already contains a fair number of books about music and musicians, but of music itself it has no supply whatever. This is a lack that should be filled, and a musical department should be started. If such a department existed in the library, I believe it would be patronized to as large an extent as any other division of the library, with the exception of the fiction division. A thoroughly equipped musical department would cost a considerable amount of money; but it should be a matter of gradual growth, as has been all the other divisions of the library. For the sum of two hundred dollars a good musical nucleus could be established, which by gradual accretions would develop into a symmetrical musical outfit. For the benefit of the large number of music-lovers in Somerville, I trust that the means may be given us to start such a department early in the coming year.

### STATISTICS.

#### CIRCULATION.

|   |         |
|---|---------|
| Total number of books delivered . . . . .           | 212,817 |
| Through agency at West Somerville . . . . .         | 18,874  |
| “ “ “ East Somerville . . . . .                     | 8,986   |
| “ “ “ Somerville ave. . . . .                       | 4,545   |
| “ grammar schools . . . . .                         | 10,755  |
| Special libraries, including high schools . . . . . | 13,265  |

#### BOOKS WITHDRAWN.

|   |            |
|---|------------|
| Number of books worn out . . . . .      | 365        |
| “ “ “ lost by general readers . . . . . | 17         |
| “ “ “ lost in schools . . . . .         | 10         |
| <i>Amount carried forward . . . . .</i> | <u>392</u> |

|   |     |       |
|---|-----|-------|
| <i>Amount brought forward</i> . . . . .                             | 392 |       |
| Number of books burned by order of Board<br>of Health, etc. . . . . | 5   |       |
| Total number withdrawn . . . . .                                    | 397 |       |
| Total number of books withdrawn to January, 1898 .                  |     | 3,194 |
| “ “ “ “ “ “ January, 1899 .   |     | 397   |
|   |     | <hr/> |
| Total   |     | 3,591 |

## BOOKS ADDED.

|   |        |
|---|--------|
| Accession number, January 1, 1898 . . . . .       | 40,902 |
| “ “ January 1, 1899 . . . . .                     | 44,307 |
| Total number of books added during 1898 . . . . . | 3,405  |
| New books to the library . . . . .                | 2,490  |
| Duplicates in the library . . . . .               | 915    |
| Total number withdrawn . . . . .                  | 3,591  |
| Total number of books in the library . . . . .    | 40,822 |

## BINDING.

|                               |       |
|-------------------------------|-------|
| Volumes rebound . . . . .     | 1,801 |
| Periodicals . . . . .         | 202   |
| Paper-covered books . . . . . | 108   |
| Pamphlets . . . . .           | 76    |
|                               | <hr/> |

|                     |       |
|---------------------|-------|
| Total for year 1898 | 2,187 |
|---------------------|-------|

## ADDITIONAL ROOM.

The time has arrived when the need of increased room in the library has become very urgent. Our work in many of our departments is hampered exceedingly, simply for the lack of adequate space in which to perform it. We have no accommodation whatever for a packing department, and our boxes for the schools and for our agencies, our special libraries, and all our books sent to and received from the bindery, we are obliged to pack and unpack very largely in the cataloguer's room, which also, in addition to its legitimate purpose, serves the double use of an Art room and a room for our local Somerville books. As a matter of fact, the art collection is very seldom accessible to the public, and its books remain on our shelves almost absolutely unused. The public is practically prohibited



from access to them. As a matter of simple justice, this state of affairs should be remedied.

Perhaps the most serious problem with which the library has to grapple is the utterly inadequate size of its delivery room. This is, at times, cruelly overcrowded. The congestion is so great that visitors have serious difficulty in crowding forward to the delivery desk to return their old books or receive their new ones. The crowd has been so dense at times as to result in actual stoppage of all the library machinery. The books have been ready to deliver to the card-holders, their names have been called, but no one, on account of the crowd, has been able to come forward and receive his books. In one instance, nothing could be done until some one penetrated the crowd from the rear, and standing before the delivery desk, received the books and handed them out over the heads of the people. This is a condition of affairs that, of course, should not be allowed to continue.

I am persuaded that the normal growth of the library is being seriously checked by this condition of affairs. Many people have emphatically expressed their reluctance to come to the library at all on account of the crowd, the delay, and the vexation to which they are subjected. In view of all this, it seems to me that an addition of considerable size should be made to the library. This addition should make possible a greatly enlarged delivery room, a good packing room, a much larger children's room, an art room, an enlarged "Americana" room, several small rooms for private study, another stack room as large as our present one, and a moderate-sized public hall, to be used for lectures on educational subjects, to be given not only under the auspices of the library, but by the various local literary and educational clubs to whom the trustees may see fit to grant such privileges. The need of these increased facilities is so apparent, and so necessary to the progressive development of the library, that we cannot too urgently ask for a special appropriation, sufficient to make the accommodations needed.

#### SYMMETRICAL DEVELOPMENT.

During the past few months a considerable attempt has been made toward a symmetrical development of the library. A

librarian should be especially cautious in allowing his own personal tastes to influence him unduly in the purchase of books. And it is very doubtful if any one's taste is catholic and comprehensive enough to render him competent to select the books for a general public library. Competent specialists in the various departments of human thought should be called in to assist him. This policy has been adopted during the past few months, and will be even more thoroughly carried out in the future. Great credit is due, among others, for important advice in their respective lines of research, to Prof. A. E. Dolbear and to Prof. G. T. Harmon of Tufts College. The library owes a great debt to many of the clergymen of the city, most of whom have shown the best of good will towards the library, and have offered it many valuable suggestions. The teachers of the city, coming as they do in direct contact with youthful minds, are better qualified to know the needs of these minds than any other class of people; and it is no exaggeration to say that the services of the teachers have been invaluable.

In our desire to keep the library up to a well-rounded symmetry, it must not be forgotten that our efforts must be continuous. The most symmetrical library in the world will not stay symmetrical for a period of twelve months. Truth grows old more rapidly than it once did; or, rather, "Time makes ancient truth uncouth" more quickly than in previous generations. Most books written on electricity ten years ago are made worthless by subsequent discoveries. Books on geology, on chemistry, on physics, on political economy or sociology, which were written ten years ago, are not much more accurate for the users of to-day than a calendar, an almanac, or a diary written for ten years ago. There has been a quickening of human thought, even during the lifetime of men still young, such as the history of the race has never known before. Professor Wallace holds that there has been greater progress during the present century than during all the centuries that have preceded it. So there has perhaps been as great progress during the past decade as during the nine previous decades of the century. If this is so, a book ten years old along any line of investigation is antiquated and largely obsolete. Such books

are valuable historically, as they show the views held by men at the time they were written ; but if we give them out with the implied inference that they express absolute truth, we are guilty of the propagation of outworn errors. Consequently, I believe a much larger sum of money than has hitherto been spent for such a purpose should be expended each year in buying books that embody the very latest results of modern study. When thought travels by express we should not try to keep abreast of it by stage. It is the business of a public library to keep abreast of it ; and it ought to spare no expense in purchasing the right conveyance to do so.

In our efforts toward a symmetrical development of the library, I do not believe we should confine our endeavors exclusively to the accumulation of books. In towns where there are no museums the library should be the natural receptacle for the accumulation of all that is illustrative of art, science and research of all kinds, especially of such collections as possess a local interest. If there is no observatory in town, no local benefactor with astronomical tastes should be deterred from presenting his city a telescope. The library, in the absence of other institutions, is the guardian of all such gifts. It does not exceed its mission if it gathers within its walls all that is educative in all departments of human thought ; and it is a matter of little moment whether that thought is embodied in a book, a statue, a picture, a reconstructed fossil, a model of a locomotive, an electric battery, or a scientific chart.

#### BUSINESS PRINCIPLES AS APPLIED TO THE LIBRARY.

If I may be pardoned a somewhat radical suggestion, but one in which I thoroughly believe, I would recommend that the library should make special direct efforts to increase the volume of its business just as all successful business houses do. The time has long since passed by when any private business can even exist if it simply establishes itself and waits for the people to come to it. The church, without a missionary spirit, is as tepid as the old church of Laodicea. The public schools are missionary to the extent that they are compulsory. The



public library is coming more and more to be an adjunct of the public schools, and while I would not, of course, advocate the making of the use of the library compulsory, I would suggest that its privileges be respectfully offered to every family in the city. The library should not wait complacently for the people to come to it: it should go to the people. The way to reach men is to go where they are. It is not enough for us to say, "The doors of the library are open, all who will can come." All who WILL NOT are the ones we most desire. The people who are fond of books will come, and we gladly welcome them. But a judicious fisher of men does not angle for the fish that are already caught. It is the people who are not fond of books that we desire to reach. The public library has done a great work, but it has only faintly begun, as yet, to realize the magnitude of its mission. It should not rest satisfied until it has made the reading of books as general as the reading of newspapers. To this end I believe that every family in Somerville should be offered a library card. If the library is a good thing, and we most potently believe it is, why should we not offer this good thing to men and women who are too careless to learn this truth for themselves. If we should offer a card to every family in Somerville and to every member of every family that, according to our rules, are now entitled to cards, it would be the dawning of a new intellectual day to thousands in this community. If the undertaking is of too great a magnitude to be carried into immediate effect, I would like to see it tried as an experiment in some single precinct of the city. Let a door-to-door canvass be made in some such precinct, and our regular application blanks be left with all eligible persons who desire them. A trial of this method could thus be made in a comparatively small section, which would give us data to enable us to determine concerning the practicability for a larger application. I earnestly recommend this experimental trial.

#### THE LIBRARY AS AN INSPIRATIONAL FORCE.

Perhaps sufficient attention is paid to making the library a highly organized and smoothly working machine. It should be, of course, a machine, and the more delicately adjusted its parts

may be, the better. But a machine does not exist simply for the sake of running smoothly. If it runs smoothly and gives out no product, it is simply a mechanical sarcasm. A library has no especial reason for self felicitation because it gives out a large number of books. It may give out a very large number of books, and still do more harm than good. The great question is: Is it grinding out a product of enlightened citizenship? Is it transforming the community into intellectual, thoughtful, better-equipped, more roundly developed men and women? If it is not, its activities are useless contortions, and the tax-payers have a right to protest against its further existence. If it does not do all this, how shall we abide the thunder of their righteous wrath? The library probably cannot make all its visitors appreciative of the great master minds and the lords of thought whose works are on its shelves. But if it does not, in the aggregate, raise the standard of literary taste in the community; if it does not help to train up a generation of lovers of good books; in short, if it does not make men wiser and better, then the noise of its complicated machinery is an ironic laugh, far from musical for us to hear. Every effort has been made during the past year to make the library an uplifting and an inspirational agency. We have tried to get into the hearts of the young through the pathway of human sympathy. We have tried to create an atmosphere of welcome. The tomb-like stillness and death-like hush that sometimes prevail in libraries have not been encouraged. The young people and all others whom we could help have been encouraged in every way to seek personal interviews with the librarian and all other members of the staff; and suggestions along the lines of each one's aptitudes have been offered to the extent of our limitations. By personal interviews we have tried to draw out the dawning perceptions of the young and help them to help themselves in the building up of a well-rounded intellectual equipment. We trust that, as a result of our sowing, a sturdier crop of mental and moral men will grow upon these hillsides.

#### CONCLUSION.

It would not be right to close this report without testifying to the faithfulness and cheerfulness with which all the members



of the library staff have performed their duties. Their work is done at times under many vexations and annoyances, but it is always done with patience ; and no complaint of discourtesy on the part of a single member of the staff has ever been brought to my notice. Their work has been done with thoroughness ; and what is more important, if possible, with graciousness and a real love for the work itself.

For the very generous co-operation of your Board, for your willingness to grant all powers within your gift toward the furtherance of the progress and efficiency of the library, I cannot be too grateful.

Respectfully submitted,

SAM WALTER FOSS,

*Librarian.*





REPORT  
OF THE  
SUPERINTENDENT OF ELECTRIC  
LINES AND LIGHTS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

---

OFFICE OF SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS,  
CITY HALL, January 2, 1899.

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:* — I herewith submit my third annual report for the year ending December 31, 1898.

During the year 68 inspections of electric light and power-wiring of buildings have been made, many of which necessitated several calls where alterations were deemed necessary for safety.

An ordinance was approved December 24, 1897, requiring all persons wiring buildings or making any changes in wires already in use to notify the Superintendent of Electric Lines, that he may be given opportunity to inspect such work, and providing that the Electric Light Company shall not connect any building to their service without written permission from him. By this means all wiring must pass his inspection and approval before any current is furnished.

This department has put in service the electric lights in the English High School. Many changes had to be made in the wiring, and some 30 lights were added. All repairs of electric apparatus in public schools and buildings have been made by this department, the committee on public buildings paying for stock alone.

The fire-alarm system is in excellent condition, having been thoroughly rebuilt and inspected since the storm of January 31, which completely crippled this branch of the service, 15 boxes and 5 gongs being burnt out and several miles of wire and poles blown down. During the year 7 new boxes have been added, located as follows: 218, Skehan and Hanson streets; 219, Oak and Houghton streets; 336, Bartlett and Medford streets; 337, City Stables; 426, Lowell and Albion

streets; 428, Morrison and Clifton streets; 446, Chester and Orchard streets.

Ladder 2 and Hose 2 have been equipped with electric lights, the work having been done by this department. All fire department stations are now so equipped that on the first blow of the fire alarm the house is instantly lighted. The central fire station has been provided with carbon lightning arresters, which reduce the danger of burn-outs from thunder storms to a great extent.

The fire-alarm system now comprises 7 tower bell-strikers, 26 gongs, 7 visual indicators, 18 tappers, 6 relays, 86 boxes, and 320 cells storage battery. In addition to this there are 34 tappers on open circuit, 260 cells battery, and about 12 miles of wire. These tappers are used to notify the call men of the fire department, both in connection with the bell alarm and on a still alarm.

This department has the care of about 90 miles of wire, including fire alarm, police, and telephone wires.

The local telephone service has been equipped with new transmitters and receivers, without additional cost to the city, and is giving excellent service.

I would recommend the purchase of more fire-alarm boxes, as our city is growing very fast and new territory is being constantly built up. We should also have another circuit to West Somerville, as the present circuits are fast becoming overloaded, and in case of a break too much territory is left uncovered. I would also recommend the purchase of a suitable wagon for this department, in which we may carry our ladders and other appliances for emergency service, as we are often called to look after broken wires of all kinds, including high tension and trolley wires, and by removing them from the street, lessen the liability of accidents. The wagon at present in use is wholly unfitted for such service and is a constant source of danger to the men who use it.

I would also strongly urge the necessity of placing the wires underground, which necessity was clearly demonstrated by the storm of last February. The cost of replacing poles and wires at that time, to say nothing of the danger to the city

from fires, would have paid for several miles of underground service.

The police signal system has received the usual careful attention and is in good order. During the year a new register was purchased and two boxes have been added. Much of the old outside wire has been replaced by new, as it was found necessary from time to time. The lines are in fairly good condition, but during the coming year more old wire should be replaced by new, to give the best service.

### STREET LIGHTING.

During the year 117 Welsbach lights have been added, both gas and naphtha. They have given general satisfaction, and many streets and places which were without light have been lighted by them. By using these lights we were enabled to move several arc lights to locations where they can be used to better advantage. There still remain many streets unlighted, which should receive attention during the coming year. Most of these can be satisfactorily lighted by either Welsbach or 32-candle power incandescent lights, at an expense of \$30 each light, per year.

The locations of many arc lights have been changed, where it was thought the service could be improved by so doing.

The Electric Light Company has been quite prompt in replacing faulty lamps and has kept its lights up to a fairly good standard. The Superintendent will gladly receive reports from any citizens of lamps not burning as they should, and will take steps to have the trouble remedied at once.

In closing, I wish to express my thanks to His Honor, the Mayor, and the members of the city council for consideration shown this department the past year; also to the chief engineer of the fire department for assistance rendered during the storm of January 31, with which we were enabled to get our circuits in working order very quickly; also to the chief of police for courtesy shown this department during the year.

Yours respectfully,

EDWARD BACKUS,

*Superintendent of Electric Lines and Lights.*









REPORT  
OF THE  
SCHOOL COMMITTEE.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

---

IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports in  
concurrence.

CHAS. S. ROBERTSON, *Clerk*.

## CITY OF SOMERVILLE.

---

SCHOOL COMMITTEE ROOMS,  
January 10, 1899.

TO THE CITY COUNCIL OF SOMERVILLE.

*Gentlemen:*—At a meeting of the Board of School Committee held December 30, 1898, it was

*Ordered,* That the Annual Report of the Superintendent be adopted as the Annual Report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that the same be referred to the City Council, with a request to incorporate it in the annual reports; and that 1,000 copies be printed in separate form.

Respectfully,

G. A. SOUTHWORTH,  
*Sec'y of School Board.*

## SCHOOL COMMITTEE, 1898.

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HON. ALBION A. PERRY, Mayor, Chairman, *ex officio*.  
FRANCIS M. WILSON, President of the Common Council,  
Vice-Chairman, *ex officio*.

---

### MEMBERS.

#### WARD ONE.

Term expires  
January

|                   |                       |      |
|-------------------|-----------------------|------|
| GEORGE S. POOLE,  | 46 Mt. Vernon street. | 1899 |
| SANFORD HANSCOM,  | 1 Webster street.     | 1900 |
| S. NEWTON CUTLER, | 28 Flint street.      | 1901 |

#### WARD TWO.

|                    |                          |      |
|--------------------|--------------------------|------|
| HERBERT A. CHAPIN, | 41 Walnut street.        | 1899 |
| JAMES F. BEARD,    | 17 Prospect Hill avenue. | 1900 |
| ALVAH B. DEARBORN, | 34 Bow street.           | 1901 |

#### WARD THREE.

|                       |                     |      |
|-----------------------|---------------------|------|
| QUINCY E. DICKERMAN,  | 85 Central street.  | 1899 |
| GEORGE W. W. WHITING, | 280 Broadway.       | 1900 |
| FRANK H. HARDISON,    | 192 Central street. | 1901 |

#### WARD FOUR.

|                  |                    |      |
|------------------|--------------------|------|
| GILES W. BRYANT, | 296 Elm street.    | 1899 |
| MARTIN W. CARR,  | 74 Craigie street. | 1900 |
| GEORGE A. MILES, | 249 Elm street.    | 1901 |



## STANDING COMMITTEES, 1898.

---

ENGLISH HIGH SCHOOL.—*Dickerman*, Poole, Carr, Hanscom, Chapin.

LATIN HIGH SCHOOL.—*Hardison*, Beard, Dearborn, Cutler, Bryant.

EAST SOMERVILLE DISTRICT.—*Hanscom*, Cutler, Poole.

PROSPECT HILL DISTRICT.—*Dearborn*, Beard, Chapin.

WINTER HILL DISTRICT.—*Whiting*, Hardison, Dickerman, Perry, Wilson.

SPRING HILL DISTRICT.—*Carr*, Miles, Bryant.

WEST SOMERVILLE DISTRICT.—*Miles*, Carr, Bryant.

ADDITIONAL SCHOOL ACCOMMODATIONS.—*Perry*, Poole, Dearborn, Miles.

EVENING SCHOOLS.—*Dearborn*, Dickerman, Bryant, Hanscom.

FINANCE.—*Poole*, Carr, Wilson, Beard.

INDUSTRIAL EDUCATION.—*Cutler*, Dickerman, Chapin, Carr.

MUSIC.—*Chapin*, Whiting, Cutler, Miles.

PRIVATE SCHOOLS.—*Whiting*, Miles, Dearborn, Poole.

REPAIRS.—*Carr*, Whiting, Poole, Dearborn.

RULES AND REGULATIONS.—*Miles*, Chapin, Whiting, Cutler.

SALARIES.—*Bryant*, Beard, Hanscom, Hardison.

SUPPLIES.—*Beard*, Bryant, Hardison, Poole.

TEXT-BOOKS AND COURSE OF STUDY.—*Hanscom*, Hardison, Chapin, Cutler, Beard, Miles, Bryant, Dickerman.

## SCHOOL COMMITTEE, 1899.

---

HON. GEORGE O. PROCTOR, Mayor, Chairman, *ex officio*.  
CHARLES A. GRIMMONS, President of the Common  
Council, Vice-Chairman, *ex officio*.

### MEMBERS.

| WARD ONE.                     |                          | Term expires<br>January |
|-------------------------------|--------------------------|-------------------------|
| SANFORD HANSCOM,              | 1 Webster street.        | 1900                    |
| S. NEWTON CUTLER,             | 28 Flint street.         | 1901                    |
| GEORGE S. POOLE,              | 46 Mt. Vernon street.    | 1902                    |
| WARD TWO.                     |                          |                         |
| JAMES F. BEARD,               | 17 Prospect Hill avenue. | 1900                    |
| ALVAH B. DEARBORN,            | 34 Bow street.           | 1901                    |
| FRED W. GILBERT,              | 101 School street.       | 1902                    |
| WARD THREE.                   |                          |                         |
| GEO. W. W. WHITING,           | 280 Broadway.            | 1900                    |
| FRANK H. HARDISON,            | 192 Central street.      | 1901                    |
| Q. E. DICKERMAN,              | 85 Central street.       | 1902                    |
| WARD FOUR.                    |                          |                         |
| MARTIN W. CARR,               | 74 Craigie street.       | 1900                    |
| GEORGE A. MILES,              | 249 Elm street.          | 1901                    |
| MRS. HENRIETTA B. H. ATTWOOD, | 18 Herbert street.       | 1902                    |

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The Board holds its regular meetings on the last Monday evening of each month at 8 o'clock.

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### SUPERINTENDENT OF SCHOOLS.

GORDON A. SOUTHWORTH.

Office : City Hall Annex, Highland avenue.

Residence : 40 Greenville street.

The Superintendent's office will be open from 8 to 12 and from 1.30 to 5 ; Saturdays, 8.30 to 10. His office hours are 4 to 5 on school days and 8 to 9 on Saturdays.

Office telephone, 234-2 ; house telephone, 12.

ELEANOR L. HANNAY, Superintendent's clerk.

## STANDING COMMITTEES, 1899.

---

ENGLISH HIGH SCHOOL.—*Carr*, Hanscom, Dickerman, Poole, Gilbert.

LATIN HIGH SCHOOL.—*Beard*, Dearborn, Cutler, Hardison, Miles.

EAST SOMERVILLE DISTRICT.—*Cutler*, Poole, Hanscom.

PROSPECT HILL DISTRICT.—*Beard*, Dearborn, Gilbert.

WINTER HILL DISTRICT.—*Hardison*, Dickerman, Whiting, Grimmons.

SPRING HILL DISTRICT.—*Carr*, Miles, Mrs. Attwood, Proctor.

WEST SOMERVILLE DISTRICT.—*Miles*, Carr, Mrs. Attwood.

ADDITIONAL SCHOOL ACCOMMODATIONS.—*Proctor*, Hanscom, Beard, Hardison.

EVENING SCHOOLS.—*Miles*, Dickerman, Hanscom, Dearborn.

FINANCE.—*Gilbert*, Poole, Miles, Grimmons.

INDUSTRIAL EDUCATION.—*Dickerman*, Carr, Cutler, Gilbert.

MUSIC.—*Whiting*, Cutler, Gilbert, Mrs. Attwood.

PRIVATE SCHOOLS.—*Mrs. Attwood*, Whiting, Poole, Gilbert.

REPAIRS.—*Dearborn*, Whiting, Poole, Mrs. Attwood.

RULES AND REGULATIONS.—*Cutler*, Whiting, Miles, Beard.

SALARIES.—*Hanscom*, Beard, Hardison, Carr.

SUPPLIES.—*Poole*, Dickerman, Carr, Dearborn.

TEXT-BOOKS AND COURSE OF STUDY.—*Hardison*, Dearborn, Cutler, Beard, Miles, Dickerman, Hanscom, Mrs. Attwood.

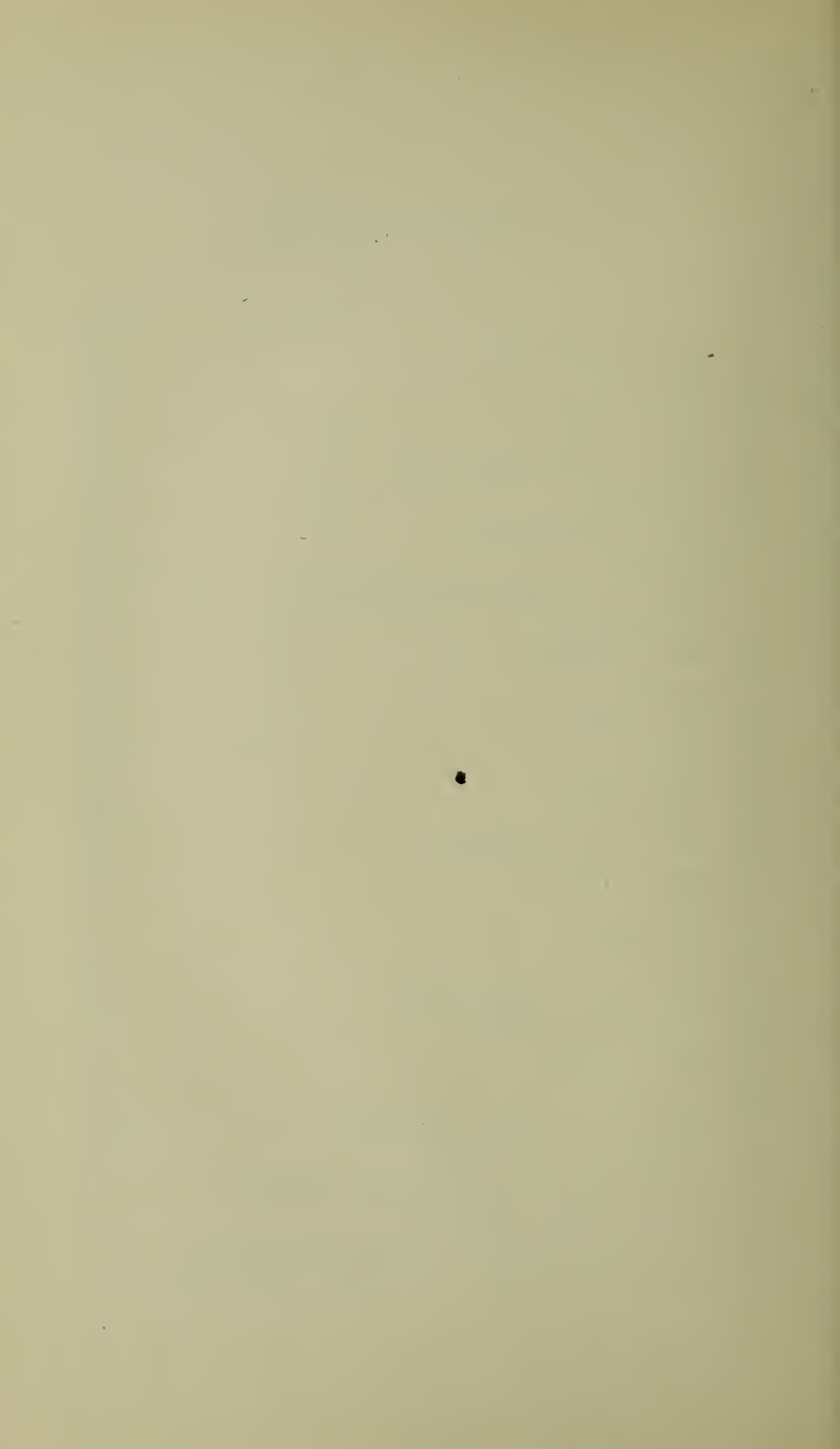


## CONTENTS OF REPORT.

---

|   | PAGE. |
|---|-------|
| 1. Summary of Statistics . . . . .                              | 299   |
| 2. Cost of Schools . . . . .                                    | 301   |
| 3. Salaries now paid . . . . .                                  | 304   |
| 4. Cost of Supplies . . . . .                                   | 305   |
| 5. Per capita Cost of Maintenance . . . . .                     | 306   |
| 6. Retrenchment . . . . .                                       | 307   |
| 7. School Accommodations . . . . .                              | 310   |
| Carr School . . . . .   | 314   |
| Relative Cost of large and small Schools . . . . .              | 317   |
| Recommendations . . . . .                                       | 318   |
| 8. School Attendance . . . . .                                  | 319   |
| 9. Discipline . . . . .   | 321   |
| 10. High Schools . . . . .                                      | 322   |
| 11. Teachers . . . . .  | 327   |
| 12. Kindergartens . . . . .                                     | 330   |
| 13. Evening Schools . . . . .                                   | 331   |
| 14. Public Library and Schools . . . . .                        | 332   |
| 15. Physical Training . . . . .                                 | 333   |
| 16. Athletics . . . . .   | 336   |
| 17. Penmanship . . . . .  | 337   |
| 18. Drawing . . . . .   | 339   |
| 19. Apportionment of School Time . . . . .                      | 341   |
| 20. Grading and Promotions . . . . .                            | 342   |
| 21. Manual Training . . . . .                                   | 346   |
| 22. The Outlook . . . . .                                       | 349   |
| 23. Organization of Schools. Appendix I . . . . .               | 363   |
| 24. Drawing School Regulations “ . . . . .                      | 372   |
| 25. Teachers' Association and Meetings. Appendix I . . . . .    | 375   |
| 26. Statistical Tables. Appendix II . . . . .                   | 383   |
| 27. Rules and Regulations of the Schools. Appendix III. . . . . | 431   |
| 28. Attendance and Truancy. State Laws. Appendix III. . . . .   | 476   |









MARTIN W. CARR SCHOOLHOUSE.

# ANNUAL REPORT

## OF THE

# SUPERINTENDENT OF SCHOOLS

## FOR 1898.

---

TO THE BOARD OF SCHOOL COMMITTEE:—

The twenty-seventh annual report of the Superintendent of Schools for the year ending December 31, 1898, is respectfully submitted, being the sixth of the present incumbent of the office, and the fifty-sixth of the school department of the municipality.

Attention is called to the following exhibit, which shows at a glance the salient facts of attendance and expenditure:

### SUMMARY OF STATISTICS.

|   | 1897.  | 1898.  |
|---|--------|--------|
| Population of Somerville . . . .                          | 56,000 | 57,500 |
| School population, May 1 . . . .                          | 9,113  | 9,845  |
| Children attending school in December . . . . .           | 10,464 | 11,091 |
| Attending private schools in December . . . . .           | 1,386  | 1,454  |
| Attending public schools in December . . . . .            | 9,078  | 9,637  |
| Attending high schools in December . . . . .              | 877    | 871    |
| Attending grammar and primary schools in December . . . . | 8,201  | 8,766  |

|   |               |                |
|---|---------------|----------------|
| Entire enrollment for year . . . . .                              | 11,293        | 11,577         |
| Average number belonging . . . . .                                | 8,589         | 9,085          |
| Average number attending . . . . .                                | 8,144         | 8,636          |
| Per cent. of daily attendance . . . . .                           | 94.8          | 95.1           |
| Number of school buildings . . . . .                              | 25            | 25             |
| Valuation of school property . . . . .                            | \$953,800.00  | \$1,023,441.00 |
| Number of classrooms . . . . .                                    | 197           | 203            |
| Number of teachers in December . . . . .                          | 249           | 252            |
| Salaries of teachers . . . . .                                    | \$175,514.92  | \$184,543.71   |
| Salaries of officers . . . . .                                    | 4,706.71      | 4,700.00       |
| Cost of books and supplies . . . . .                              | 14,815.49     | 14,985.59      |
| Cost of water and light . . . . .                                 | 1,920.32      | 2,074.94       |
| Cost of janitors' services . . . . .                              | 16,250.61     | 17,392.60      |
| Cost of fuel . . . . .  | 10,064.67     | 9,766.83       |
| Total cost of day and evening<br>schools . . . . .                | 223,272.72    | 233,463.67     |
| Cost for each pupil in average<br>membership . . . . .            | 26.00         | 25.70          |
| Cost for each high school pupil . . . . .                         | 56.02         | 56.34          |
| Cost for each grammar and pri-<br>mary pupil . . . . .            | 22.87         | 22.61          |
| Amount paid for new school build-<br>ings . . . . .               | 46,620.92     | 49,983.00      |
| Cost of repairs and permanent<br>improvements . . . . .           | 20,506.77     | 21,273.82      |
| Entire expenditures for all school<br>purposes . . . . .          | 290,400.41    | 304,722.00     |
| Expended by School Board . . . . .                                | 195,037.12    | 204,229.30     |
| Expended by City Government . . . . .                             | 95,363.29     | 71,257.00      |
| Valuation of city . . . . .                                       | 50,173,775.00 | 50,739,700.00  |
| Per cent. of valuation spent to<br>maintain schools . . . . .     | 0.444         | 0.460          |
| Per cent. of valuation spent for all<br>school purposes . . . . . | 0.579         | 0.601          |



## COST OF SCHOOLS.

According to the appraisal of the Board of Assessors, Somerville has \$1,023,441 invested in school property. The most of it is of comparatively recent construction and is in good condition. The repairs and permanent improvements upon this property have this year cost the city \$21,274, two per cent. This is probably less than would be expended by a thrifty owner upon property of equal value used for other purposes. If building committees and city governments would only remember that schoolhouses are to be used for generations and build with greater thoroughness and stability, not forgetting that a little larger original outlay means future economy in repairs, more money would be annually available for other purposes. This repair expenditure includes the sum of \$3,516 towards a new heating and ventilating apparatus at the Prescott School. This building was erected thirty years ago and supplied with a steam-heating plant, but the means of ventilation were wholly inadequate. Nine years ago the sum of \$3,562 was expended for a new boiler and for an improved system of heating and ventilation. Lack of funds, however, compelled the committee in charge to leave the job but partly completed. The relief was marked, but if a few hundred dollars had then been available, recent outlays would have been much reduced if not rendered needless. The cost of the original heating apparatus was \$3,038. If to these sums there be added \$5,500 spent and to be spent since, the total expense for heating and ventilating apparatus for this building will be \$12,116.

These repairs were not begun until after the 1st of August. The result was that they were not completed until after the opening of school. Indeed, at the present writing, the middle of December, the work is not yet fully done. The schools have

been greatly interrupted, and on several occasions have been obliged to dismiss.

If some arrangement could be made whereby jobs of this sort could be begun at the commencement of the summer vacation, it would remove a source of great annoyance to the schools.

During the year, also, the interior of the Forster schoolhouse has been completely renovated at a cost of \$2,100. New floors have been laid and the woodwork painted and grained. The change from dirt and dinginess to sweetness and light has been marvellous, and has had the happiest effect on both pupils and teachers. At least two other buildings, the Prescott and the Bell, need a similar renewal. A fire in the former building on the afternoon of November 7, which occurring at night would doubtless have destroyed it, emphasizes the need of laying and relaying schoolhouse floors so that no combination of yawning cracks, mischievous boys, friction matches, and hungry mice can thus endanger life and property.

Another prominent item of expenditure was caused by the much needed enlargement of the drawing room in the English High School, by the removal of a partition and the inclusion of a little-used corridor. The change greatly improves the facilities for art instruction. Another much appreciated improvement was the establishment of telephonic communication throughout the building. The entire expense was \$1,114.

To provide fuel, water, and light, and to pay the twenty-five janitors of our schoolhouses has cost the city this year \$29,234.37, an average of \$3.22 for each child attending. This sum seems large, but it must be remembered that a modern school building is the coal dealer's best friend. To heat thirty cubic feet of cold fresh air for every one of 9,000 children for each of 60,000 minutes is a problem that requires large coal bins for its solution. Our janitors are paid an average salary

of \$830 for large buildings, and \$425 for smaller ones. And this is not too much for a janitor who keeps his building at a comfortable and equable temperature without wastefulness, who sweeps with requisite frequency and thoroughness, who sees that walls, windows, blinds, and furniture are always free from dust, who wages constant war against microbes with soap and water and scrubbing brush, who keeps toilet rooms invariably in a healthful condition, whose walks and yards are always attractively free from litter, who denies himself the solace his pipe might afford on school premises, who is always considerate of the pranks and needs of children, who is ready to aid principal and teachers whenever he can, and who, amid all his labors and trials, preserves a cheerful, sunny, and courteous demeanor, — such a janitor is worth all he is ever likely to receive. It is probable that insistence upon the attainment of the standard indicated might leave some vacancies to be filled. Nevertheless, our janitors are not overpaid.

Will it be deemed impertinent at this point to raise the question whether in the revision of our city charter it may not be well to consider whether the appointment and control of school janitors should not be made to rest with the School Board. This is the almost invariable custom in other cities. The reasons for the change need not be stated here nor do they involve any reflection on either the present appointing power or the efficient supervisor of janitors.

And in this connection the digressive inquiry is raised whether in the drafting of a new charter it would be amiss to give to a body having in charge interests so vitally connected with our city's welfare and involving such large expenditures as those controlled by the School Board, a representation on the commission? True, a school committee acts chiefly under state rather than municipal direction, but its powers and duties and efficiency depend in an important degree upon the



organization of the city government and its relations thereto. In recent charter revisions throughout the country, marked changes in this direction have been made. The tendency everywhere is towards smaller boards with greater powers. It is hardly an open question whether the location, the construction, the care, the repairs of school buildings are not matters that can better be committed to the hands of a board with a degree of permanency in its term of service, and composed of men possessing thorough acquaintance with educational needs and with all questions of school architecture and management, and having withal the business experience and sagacity to conserve the financial interests of the city. A calm and intelligent discussion of these questions would at least show the wisdom of the present arrangement if it did not perchance disclose a better way.

The sum of \$184,543.71 has been paid for teachers' salaries during the year, and \$4,700 for superintendent, truant officers, and clerk hire. This aggregates \$189,243.71, and shows a per capita expenditure of \$20.83 as compared with \$20.98 in 1897.

The sum paid for teachers' services constitutes by far the larger part of our school expenses. The question of increase in the salary paid women in the elementary schools has been before the Board during the year, and was decided adversely. A discussion of the general question of teachers' pay in all its phases, while interesting, would here be out of place. Suffice it to say, that the trend is upward. Increasing demands, a wider range of subjects, higher standards, require longer periods of preparation, broader qualifications, better teachers. There is a recognition of the justice of the demand for increased pay, and sooner or later the call will be met. It is for each community to decide for itself when that time has come.

Since the last paragraph was written, the city of Cambridge has increased the salaries of its women teachers about fifteen per cent. After January 1st, masters' assistants are to be paid \$900, and grammar and primary teachers, \$700. There is, besides, a provision whereby the salaries of not more than one third of the whole number of teachers may be increased to \$750 after one year's service, if necessary to keep them in the city. This increase will undoubtedly cost us some of our best teachers.

The fourth and last element in the cost of school maintenance is that of text-books and school supplies. The expenditure for the year is \$14,985.59, \$1.65 per pupil. The average cost in Somerville for the last ten years has been \$1.74, and throughout the State \$1.62. The equipment of a new school building has been an unusual source of expense.

The main items of expenditure are as follows :—

#### SCHOOL SUPPLY EXPENSES.

|                                   |                   |
|-----------------------------------|-------------------|
| Text-books . . . . .              | \$5,333.85        |
| Stationery and Supplies . . . . . | 3,965.68          |
| Rebinding 4,000 Books . . . . .   | 649.37            |
| Book Covers . . . . .             | 115.00            |
| Laboratory Supplies . . . . .     | 1,198.83          |
| Drawing Material . . . . .        | 687.80            |
| Kindergarten Supplies . . . . .   | 158.95            |
| Pianos . . . . .                  | 500.00            |
| Graduation Exercises . . . . .    | 641.56            |
| Printing . . . . .                | 483.75            |
| Expressage and Postage . . . . .  | 295.18            |
| Telephones . . . . .              | 125.73            |
| Travel . . . . .                  | 213.13            |
| School Census . . . . .           | 100.00            |
| Miscellaneous . . . . .           | 516.46            |
| Total,                            | <hr/> \$14,985.59 |



The aggregate cost of maintaining the day and evening schools of the city is \$233,463.67, and the cost per pupil \$25.70 as compared with \$26.00 in 1897. The following table shows the comparative expenditures in detail:—

PER CAPITA COST OF MAINTAINING SCHOOLS,  
1897 AND 1898.

| AMOUNT PAID FOR                 | High Schools. |         |            | Grammar and Primary Schools. |         |            | All Schools. |         |            |
|---------------------------------|---------------|---------|------------|------------------------------|---------|------------|--------------|---------|------------|
|                                 | 1897          | 1898    | In-crease. | 1897                         | 1898    | De-crease. | 1897         | 1898    | De-crease. |
| Instruction and Supervision . . | \$44 68       | \$45 51 | \$0 83     | \$18 52                      | \$18 34 | \$0 18     | \$20 98      | \$20 83 | \$0 15     |
| Text-Books and Supplies . . . . | 4 95          | 4 44    | *0 51      | 1 39                         | 1 37    | 0 02       | 1 73         | 1 65    | 0 08       |
| Schoolhouse Expenses . . . . .  | 6 39          | 6 39    | 0          | 2 96                         | 2 90    | 0 06       | 3 29         | 3 22    | 0 07       |
| Total . . . . .                 | \$56 02       | \$56 34 | \$0 32     | \$22 87                      | \$22 61 | \$0 26     | \$26 00      | \$25 70 | \$0 30     |

\*Decrease.

It will be seen that the per capita cost of high school instruction has increased 83 cents as compared with last year, while the cost of supplies for the high schools has decreased 51 cents, making the net increase of cost of high school maintenance 32 cents per pupil. Schoolhouse expenses were \$6.39 for each year.

In grammar and primary schools there has been a per capita decrease of 18 cents in the cost of instruction, 2 cents in the cost of supplies, and 6 cents in schoolhouse expenses,—an aggregate decrease of 26 cents.

Taking all schools together, the cost of instruction has decreased 15 cents, supplies 8 cents, and schoolhouse expenses 7 cents,—an aggregate decrease of 30 cents for the year.

Although the estimates of the financial needs of the school department for any given year can be made with comparative certainty, it has grown to be the custom of the City Council to make appropriations considerably below the estimate of the

Board, thus placing that body in the attitude of overdrawing appropriations.

In this connection the following comparisons will be interesting:—

## FOR SALARIES.

|                           | 1897      | 1898      |
|---------------------------|-----------|-----------|
| Estimate of Board . . . . | \$174,105 | \$185,125 |
| Expenditures . . . .      | 174,064   | 184,544   |
| Appropriation . . . .     | 165,000   | 171,597   |

## FOR SCHOOL CONTINGENT EXPENSES.

|                           | 1897     | 1898     |
|---------------------------|----------|----------|
| Estimate of Board . . . . | \$19,640 | \$20,000 |
| Expenditures . . . .      | 19,522   | 19,686   |
| Appropriation . . . .     | 18,000   | 18,000   |

The following shows how each dollar of the \$233,463.67 spent for school maintenance has been distributed:—

|  |        |       |
|--|--------|-------|
| Care of school buildings . . . . .               | 12.735 | cents |
| Supervision . . . . .                            | 2.013  | “     |
| High school instruction . . . . .                | 16.014 | “     |
| Grammar and primary school instruction . . . . . | 58.209 | “     |
| Kindergartens . . . . .                          | 2.053  | “     |
| Music . . . . .                                  | .989   | “     |
| Drawing . . . . .                                | .428   | “     |
| Sewing . . . . .                                 | .627   | “     |
| Penmanship . . . . .                             | .514   | “     |
| Supplies . . . . .                               | 6.418  | “     |

The cost of the schools is a matter concerning which the taxpayer is properly sensitive. “How can it be reduced” is a question more frequently heard than the more vital one, “Do the results justify the outlay”? If there is waste, or extravagance, or expenditure for which no needful equivalent is returned, there certainly ought to be retrenchment. But if for every

dollar expended there is received full value in the wise and careful training and development of our children, there need be no complaint. Nor will there be. Our citizens have always demanded the best educational facilities. They require as good schools, as broad and thorough, as well equipped and as well taught, as those of their neighbors. While inquiring critics abound, no one has yet been found to advocate the false economy of neglecting suitable repairs upon school buildings. No one has yet asked, "Are not our schoolhouses too well cared for, too well ventilated, too comfortable"? or "Are not our janitors overpaid"? Nor has any one yet appeared with sufficient temerity to ask that teachers' salaries should be reduced. Should the captious critic claim that classes are too small, he may be met with the rejoinder that at present the average number to a teacher throughout the city is 46.3, that 40 is the maximum advocated by educators, that some cities have but 30, that extremists like President Eliot claim that 15 are enough, and that it is apparent to every intelligent observer that no other reform would be so effectual in securing greater efficiency for the schools and a shortened school life with its resulting decrease of cost, than a reduction in the number of pupils assigned to a teacher and the consequent opportunity of individualizing instruction and adapting it to specific needs. Should the anxious economist suggest that money could be saved by shortening the school year, he should be reminded that this matter is regulated by State enactment, and not by local option. The same reply would be made to the improbable suggestion that the same result could be secured by curtailing evening and high school instruction. The law requires these, and compels us to fit for college, for normal schools, and for technical institutions. Should our critic say that \$1,000 might annually be saved by dispensing with the services of a drawing specialist, it would be said that the statutes require drawing to



be taught, that its economic and educative value is indisputable, that no subject yields greater returns in elevating and refining influences, and to secure unity of work along correct artistic lines, the services of an expert director are needed. Should one whose ear is not moved by concord of sweet sounds, argue that \$2,400 now spent in musical direction and instruction might be used for more practical purposes, a thousand voices would be raised in harmony to tell him that while musical instruction is a matter of local option, after thirty years' test of its value to educate, to refine, to uplift, Somerville is not ready to abandon it and thus antagonize the overwhelming sentiment of the country. Should some fortunate benedict claim that the \$1,500 paid to our sewing teachers could better be spent upon the highways, every mother in the city would dispute the claim and contend there is no subject taught that can compare with sewing in practical value and training power. Should the advocate of retrenchment claim that the \$1,200 now paid for supervision in penmanship could at least in part be diverted to the purchase of copy books, and fifty per cent. of the sum be saved, he could be informed that that question had already been fully discussed by competent judges and decided in the negative. And lastly, if those who desire to lessen the burden of taxation without materially affecting the efficiency of the schools, should claim that the \$5,000 now annually spent for the kindergarten training of 200 children is a questionable expenditure on the ground that equal opportunities are not given all citizens, that only a few localities are favored with these advantages, that only one child in every fourteen entering the primary school has had this training and hence that the progress of any class cannot be materially enhanced thereby, that the per capita cost is twice that of any other school, the element of time being considered, that the just extension of kindergarten advantages to all parts of our city alike would require an additional twenty thousand

annually, that the rooms are needed for primary school purposes, and that while the value of this training is admitted, still it is not an essential element of our school system, and hence, a community struggling with financial burdens ought to be relieved of this one,—to these somewhat plausible arguments it might be replied that the patrons of the kindergartens in our city are unanimous in their approval, that there is no disagreement among experts as to the educative value of this training, that every good thing must have a beginning, that the system will be extended to include all sections of the city as soon as suitable accommodations are furnished, that possibly the expense may be lessened by utilizing the services of the same teachers in different localities at different hours, and that the best of our citizens would feel that our city had made a decided educational retrogression if by any possibility the kindergartens should be abandoned.

Thus each proposition for retrenchment may be shown to be incompatible with the requirements of those who insist upon the best. The more vital question and one much more difficult to answer, “Are our schools returning suitable dividends upon our investment”? may be considered later in this report.

#### SCHOOL ACCOMMODATIONS.

At no time within a dozen years have the school children of Somerville been so comfortably accommodated as at present. During the first six months of the year there were fourteen classes in the Spring Hill district on four-hour time, and during the three months ending June 30 there were crowded and half-time conditions in other sections brought about by April admissions, now happily abandoned. Relief was secured in September by the completion of the Martin W. Carr School which replaced the old chapel that under protest had masqueraded so long as a schoolhouse in Beech street. The old lot



was enlarged by the addition of a strip on the westerly side and the building, which was begun in July, 1897, was ready for occupancy at the end of fourteen months, September, 1898. Of the building itself nothing more need be said than to call attention to the architect's description and plans, and to the photographs found elsewhere in this report. It is the largest grammar schoolhouse in the city and contains fifteen classrooms, two recitation rooms, and teachers' rooms, store-rooms, and closets in abundance. At the risk of seeming ungracious it may be remarked that in one respect the construction of the building is open to a criticism that applies with equal force to several others in the city. Although three stories in height with three quarters of the pupils upon the two upper floors, the only toilet facilities for children are in the basement and reached only by a toilsome trip over several long flights of stairs. When reached, these rooms are too small, a defect which occasions inconvenience and a loss of school time. In our future schoolhouse construction the health and time of pupils should be considered and adequate toilet rooms provided on each floor of the building.

The state of the city finances in 1897 compelled an unfortunate, but let us hope only temporary, advertisement of our municipal poverty in the curtailment of the lot on which this, the finest grammar schoolhouse in the city, stands. There are but narrow passages on either side of the building and but little room in the front and rear. A building that speaks so loudly of our educational facilities should have been so located that its architecture could be seen and appreciated, to say nothing of the desirability of room enough to keep the pupils out of the street and off the neighboring premises. It must be the aim of the immediate future to add the land between the building and Harvard street to the present lot. Public convenience would be much promoted if Cleveland avenue could be

extended to Elm place, as easier access to the school would be thus afforded for a large part of the district.

The following description of the building has been kindly furnished by the architect, Aaron H. Gould of Somerville : —

“The Martin W. Carr school building, Beech street, was built by W. L. Clark & Co., contractors, of Somerville and Boston. The contract was made in August, 1897, and the building completed September, 1898.

“The building covers 928 square feet ; foundation, large dimension stones ; basement walls, large ledge stone up to grade line ; granite plinth course around the entire building, and struck granite steps to all entrances, both front and rear super-structure of hard burned water-struck red brick, and the trimmings of Indiana limestone ; copper gutters and conductors, the best Monson slate, copper ridges and valleys, and copper hoods to vent stakes.

“There are four entrances to the basement, at the rear of building, which are provided with runs for bicycles. These entrances permit scholars to enter with their wheels, and pass to lavatories in basement, before going to schoolrooms. There are two bicycle rooms, one for girls and one for boys. One of these rooms is used for a wardroom.

“The boilers are located in centre of building. The boiler-room floor is three feet lower than that of other parts of basement. This provides ample rooms for boilers and other apparatus required in a properly arranged boiler-room.

“The coal bunkers extend out under the concrete, at north-west side of building, as far as the end of wings. By this arrangement the coal is dumped through scuttles provided for the purpose.

“The ceiling of the entire basement is of plaster, that of the boiler-room being on metal lathing.

“The lavatories are fitted with the latest and best class of fixtures to be found in the market.

“All wood used for finishing basement is North Carolina pine.

“The first floor is reached by three entrances, one at each end of building, and one at the side. It contains four classrooms and two recitation rooms, — all of which are provided with slate blackboards; teachers’ room with lavatory; four wardrobes; a large store-room; a wide corridor with three staircases leading to the second floor, one at each end and one at the centre, directly in front of the side entrance. Stairs are also provided from the first floor to basement, directly under each of the above-named staircases.

“The classrooms, corridor and wardrobes are all well lighted.

“The second floor contains four classrooms arranged in the same manner as those on the first floor. This floor has one large recitation room, provided with slate blackboards, which can be used at any time for a small classroom seating 36 pupils. A principal’s room, a store-room, and a teachers’ room with lavatory, are also provided on this floor. The corridor is wide and all rooms are well lighted. There are two staircases from this floor to the third floor, one at each end of the corridor, and directly over the stairs from first to second floors. The centre stairs terminate at the second floor.

“The third floor has six classrooms, the centre rooms having a seating capacity of 45 and 50 pupils respectively. All are provided with wardrobes and closets in the same manner as those on the first and second floors, and well lighted. There is a teachers’ room with lavatory on this floor, and a staircase leading to the attic. Each corridor has two sinks, one at each end. The stock used in finishing the building throughout, above basement, is Southern Ash. All floors are of rift Georgia pine. The heating apparatus is the best of its kind.”



On the 30th of August, 1897, the School Board, with hearty unanimity, requested the City Government to name the new school after a resident of Spring Hill, who for many years has been prominently identified with the educational and civic interests of our city. With equal heartiness the City Council endorsed this action, and voted to name the new institution the Martin W. Carr School.

Martin W. Carr was born at Easton, Mass., March 9, 1829, the son of Caleb and Chloe (Parker) Carr, of that place. He is a direct descendant of Robert Carr, governor of Rhode Island in 1692. His education was obtained in the district school and the Adelphian Academy at North Bridgewater. He began his business life by learning the manufacture of shovels with the Ames Company at North Easton. Thence he went to Attleboro', where he acquired a thorough knowledge of the art of manufacturing jewelry. In 1856 he went into business for himself at Attleboro'. Five years after he was offered a foremanship at the United States Armory at Springfield, which he accepted, and remained there till 1864, when he came to Boston and re-entered the jewelry business in which he still continues. Mr. Carr came to Somerville in 1864 and served the city two years as a member of the Council and two years as alderman, the last year of that service being president of the Board. He also was a member of the Water Board one year, and has been a member of the School Committee since 1884.

The cost of the Carr schoolhouse is as follows : —

|   |           |                   |
|---|-----------|-------------------|
| Paid for 10,409 additional feet of land                   | . . . . . | \$ 3,411.50       |
| Cost of construction, including heating<br>and furnishing | . . . . . | 58,713.03         |
| Total,  |           | <hr/> \$62,124.53 |

The new school was opened in September under the mastership of Charles G. Ham of Watertown,—a gentleman of

long and successful experience in grammar school instruction and supervision,—and an efficient corps of assistants, four of whom were transferred from the Franklin School, which was incorporated in the Carr. The fourteen classrooms were immediately filled, as was also a fifteenth room not originally designed for class use, by 700 pupils transferred from other schools in the Spring Hill and adjoining districts. Two rooms containing the first grade and one room with half of the second grade pupils were set apart for the use of the Training School. Under the general direction of the master, this department is in charge of a competent critic teacher. The instruction is given by six young ladies with either a normal school training or equivalent experience in teaching. It may be remarked, in passing, that the Training School, which is now in the third year of its existence, commends itself strongly to the Board and to the public, first, by the excellence of its instruction, which is more largely individual than is possible in other schools, and, secondly, by the efficiency of its graduates, four of whom are rendering services in various parts of the city, which will compare very favorably in character with the best in the city.

The schools in the Spring Hill district are still crowded, an assistant being employed in the lowest grade in the Morse School. The six-room schoolhouse now in process of construction in Washington street will be filled upon completion in September, 1899, by children from the Harvard, Knapp, and Carr schools. This will close the first-named building, which has so long repressed our pride; it will render the use of the Knapp wardroom no longer necessary; it will permit the return to that school of the two classes transferred in September last to the Pope School; and it will relieve somewhat the crowded condition in the Carr and Morse.



The school accommodations in the Winter Hill district are inadequate, and some relief must be afforded. We are obliged to employ an assistant in the lowest grade in the Bingham School, and to occupy wardrooms in the Forster and Glines. While these rooms are not unhealthful, they are ill-adapted to school purposes and were not designed to be thus used. Three new schoolrooms in this district could be filled to-day. There are therefore at least three problems of demand for increased accommodations that present themselves for consideration and settlement during the coming year. They are, — first, the enlargement of the English High School, which will be discussed later on, — secondly, a new school building in Ward IV to satisfy the demands of the immediate future, — and, thirdly a new school building for present and prospective needs, to be located somewhere in the Winter Hill district.

There are two considerations that should control the location of new school buildings. They are, — first, the convenience of patrons, and secondly, economy of administration. At the time of their construction many of our school buildings were located in centres of population, but as the city has grown, new residents have been compelled to send children long distances to school. There are certain sections of the city in which little children are compelled to walk from a half to three quarters of a mile to reach their schools. For older pupils the matter of distance is of little consequence, but primary school buildings, particularly those containing kindergartens, should be so located as to be easily accessible in all sorts of weather to the little children that attend them. Then, too, some regard must be paid to the future growth of the city. The location that seems one-sided at the present time, three or five years from now may be the centre of the school population that it will accommodate.

The second consideration, economy of administration, is one that affects the long future as well as the immediate present.

The peculiar organization of the Somerville school system that forces the per capita cost of grammar and primary school instruction much above that in other cities in the State, has been discussed in previous reports. The matter, however, is of such importance that we recur to it again. Attention is called to the following comparison in the cost of school maintenance in buildings of different sizes. We have selected the buildings most recently constructed as being more nearly typical of what may be expected in future buildings. Estimates are made on the basis of 45 pupils to a schoolroom.

The expense of schoolhouse care is the average cost for the last two years and that of instruction is based on the ordinary conditions, kindergartens being excluded.

PER CAPITA COST OF SCHOOLS IN BUILDINGS OF  
DIFFERENT SIZES.

| BUILDINGS. | ROOMS. | PUPILS. | CARE.  | INSTRUCTION. | TOTAL.  |
|------------|--------|---------|--------|--------------|---------|
| Durell     | 4      | 180     | \$3.74 | \$13.75      | \$17.49 |
| Hanscom    | 6      | 270     | 3.20   | 13.89        | 17.09   |
| Bingham    | 8      | 360     | 2.49   | 13.90        | 16.39   |
| Hodgkins   | 12     | 540     | 2.89   | 17.00        | 19.89   |

A study of these figures reveals these facts :—School maintenance in a twelve-room building costs \$2.80 more per pupil than in a building of six rooms, \$2.40 more than in one of four rooms, and \$3.50 more than in an eight-room building run under normal conditions, that is, with an \$800 principal without an assistant. This is an average of \$2.90 per pupil in favor of the smaller buildings, a sum equivalent to the expenditure of \$1,500 annually, and sufficient to pay the yearly salary of two and one-half teachers, or to build a six-room schoolhouse every twenty years.

For many years, whatever else may be done, the erection of any additional buildings containing more than eight rooms and

involving the unjustifiable expense above indicated, should be strenuously opposed. Gradually the primary school pupils who do not so much need the supervisory care of a master, should be removed from our largest buildings, which could then be devoted entirely to grammar-school purposes.

In the report of last year it was recommended that a six-room building be erected not far from Powder House Park. A building in this locality must sooner or later be furnished for the relief of the Hodgkins and Highland schools. The recommendation is not renewed this year, but the substitute suggested in the last annual report is urged for the present year. We refer to the enlargement of the Burns School by the addition of four rooms and four rooms only. The erection of the Carr School did not afford the relief to the Spring Hill district that we had every reason to expect. Without placing any grade higher than a fifth in the Burns School there are children enough between and including Linden and Willow avenues to fill the additional four rooms in September, 1899, provided we abandon the Cedar Street School, in which the cost per pupil is \$9.61 more than in its nearest neighbor, the Burns. This will afford some relief to both the Morse and Highland schools.

Further reason for this enlargement exists in the necessity of providing some form of ventilation for the present Burns School building, a desideratum that would naturally be secured by the plan suggested. The addition of more than four rooms to this building, while possibly feasible, would lead to another grammar school centre with all the unnecessary annual expenditures that this involves.

A careful consideration of the best means of relieving the needs of the Winter Hill district leads to the conclusion that it can best be done by the erection of a six-room building on the Forster schoolhouse lot. There is land enough, and the



location is reasonably convenient to patrons. A building thus located would be practically a part of the Forster School, and for purposes of supervision and classification could be very easily managed. The Bingham School and the Glines would thus be relieved of two classes each, and the wants of the district would seem to be met for several years. The new building could be entirely independent of the old or connected therewith as thought best, and could probably be erected for \$25,000.

### SCHOOL ATTENDANCE.

According to the annual census taken by the Truant Officer in May last, there were 9,845 children between 5 and 15 years of age in the city, showing an increase of 732 children of school age during the year. This increase is so large as to throw some doubt on the accuracy of the returns, for it exceeds by several hundreds the number of children in the schools at that time. Still the census was taken with unusual care, and the number of children reported as not attending school, while unusually large, may have been correct. If so, greater vigilance is required in the enforcement of compulsory school laws. Under the changed statutes, the school census will hereafter be taken in the month of September, thus affording an opportunity of requiring the attendance of all children of school age at the opening of the year. The law now requires children between 7 and 14 years of age to be in school during the entire school year of 40 weeks instead of 30 weeks, as under the old law. It imposes a fine for each five days of unnecessary absence within any period of six consecutive school months.

The law requires high schools to be in session 40 weeks annually, exclusive of vacations. Our high schools have kept 37 weeks of actual school time, lacking two days. One week

has been lost by blizzards and storms, another in the due observance of the five legal holidays that always occur during the school year, and seven days have been lost by the extension of vacations. The same statute demands that elementary schools shall keep at least 32 weeks during the year. Our own rules require a school year 40 weeks in length. The actual number of sessions has been 365 instead of the theoretical 400. For the loss of 11 of these sessions, the weather is responsible. Legal holiday observance has taken 10 more. The vacations have been extended to cover 13, and on one half day the schools were closed on the occasion of the funeral of an honored chief magistrate of the city, Ex-Mayor Burns. This loss of three weeks and a half of working time is mainly unavoidable. It may be that the respite thus given from severe school work gives increased vigor in the use of the remaining school time. But in measuring the work accomplished, this loss must be considered as an important factor. The theory is that every hour of school time should be so used as to yield full value, and return to the city an equivalent for its expenditure. Teachers, pupils, and school authorities should bear constantly in mind that each day of school life now costs the city \$1,167, and schools should be closed only in cases of urgent necessity.

The number of pupils connected with the public schools during the year is 11,577. Of these, 1,388 have never attended school before, and 1,151 have come into our schools from other cities or towns. The average membership of the schools has been 9,085, indicating a floating school population of 2,492 pupils, attending for a portion of the year only. Of the average number belonging to the schools, 8,636 have been present at every session, showing a per centage of 95.1. The increase for the year has been 559 pupils.



A change in school-attendance laws, which requires the names of absentees to be carried upon the rolls for 20 sessions instead of 10, as heretofore, will somewhat increase the average membership of the schools and decrease the rate of attendance. The object of the change is to secure uniformity in the keeping of records throughout the State.

The number of tardinesses during the year has been 2,941, the increase being attributable to the unusual hours during which the four-hour schools were kept during the first six months of the year. Only 1,321 times have scholars been dismissed before the close of the session, an index of the readiness with which parents are willing to co-operate with teachers by avoiding as far as possible the interruption of school work. There have been 256 occasions on which physical force has been used by teachers as a substitute for moral power. The number is gratifyingly small, either when compared with what was not uncommon ten or a dozen years ago, or when we reflect that human nature has not essentially changed since Solomon's time.

The question may properly be asked whether the disuse of the rod may not lead to the substitution of more objectionable disciplinary measures. There is danger in this direction. The palms of the hands are by no means the most sensitive parts of the child's organism. Not all teachers are always imperturbable. A few rarely are. Stinging and undeserved rebukes, hastily given, ridicule, biting sarcasm, — the impatient teacher's readiest and sharpest weapon, — leave wounds that slowly heal and do much to destroy the teacher's influence, and alienate respect. Unkind references to personal peculiarities, or weakness, or dulness, or home surroundings and training, thoughtlessly made in a moment of irritability, may lead to bitter antagonism where there should be cordial co-operation. From impatient, carping, sarcastic, unsympathetic

teachers, in whom the milk of human kindness seems to have soured, if any such there be, good Lord, deliver us. Give us rather those that chastise in love in the good old way.

### HIGH SCHOOLS.

There has been little change in the size of the Latin High School during the year. A decrease of 6 brings its present membership down to 271. A class of 55 was graduated in June, and 78 entered in September. Twenty-five of the graduates entered college, and others are found in music, drawing, normal, or technical schools. There has been no change in its efficient corps of instructors, and its work, specific and direct in purpose, has progressed without interruption, and has been carried on undemonstratively but with the thoroughness and success that have always been characteristic of the school.

The average membership of the English High School for the year has been 563, an increase of 19 over the last year. Its present membership is 600. The entering class numbered 230, and 75 pupils were graduated. The present membership of the 9th grade, or graduating class of the grammar schools, is 495. Judging by the last three years, one half of this number will enter this school in September, '99. Assuming that the percentage of loss will be the same this year as since its organization, the school will contain at least 650 pupils to be provided for at the beginning of the next school year. As the present seating capacity of the building is but 604 at the outside, it is evident that some provision must be made for the increased numbers.

It may seem preposterous to call for an enlargement of so expensive a building during the fourth year of its existence, particularly when it was expected to supply all high-school wants for a decade. But there are cogent reasons therefor, and the question may as well be faced with fortitude and composure.

The first reason has already been given. The membership of the school in September, '99, cannot be comfortably seated in the building. A second reason is found in the fact that there are no recitation rooms at present. There were originally three rooms designed to be thus used. One of them, however, has been incorporated into the schoolroom made from the Superintendent's quarters; another has been taken for the imperative enlargement of the library; and the third is used by the typewriting department. This compels a resort to dressing-rooms for recitation purposes. Three of these, although unventilated and hung with pupils' garments, are now occupied daily by teachers and classes, necessarily small, of course. The master's office is used for one period daily in a similar way. A third and very important reason for enlargement is found in the needs of the manual training department. When the house was built, compulsory manual training for high schools was not thought of, and no provision was made for it. Four rooms in the basement were occupied for the purpose in lieu of something better. They are inadequate, however, for the development of the full course, and moreover are, especially at certain seasons, damp and unhealthful, as might be expected from rooms mainly below the ground level. Then, too, provision was made, when the curriculum of the school was arranged, for a course in domestic science. But from the outset no room has been available for this very practical work. If then, this school, so important in the far-reaching results it is accomplishing, is to continue its good work under the most favorable conditions, an increase of accommodations must be provided at an early day. These should include at least six classrooms, four recitation rooms, and six rooms for manual training and domestic science. If it is possible at the same time to provide an assembly room, in which the entire school may occasionally be gathered, and a room devoted to physical training, other urgent



needs will be met. This all involves outlay, but it also involves provision for the supply of present necessities, for the legitimate natural growth of the school, for its development according to the original plans, and for the extension of its usefulness in a community that is rapidly growing to realize its value and to appreciate the opportunities it presents.

There were three changes in the teachers of the school during the school year. In April, Dr. Lyman C. Newell, to whom the school is indebted for the thorough organization of the departments of chemistry and German, left the school to accept a position in the new State Normal School at Lowell. He was succeeded by George J. Pfeiffer, Ph. D., a graduate of Zurich Polytechnic School and University, and a gentleman fully equipped by education and experience to maintain the high standard of his department. In June, Miss Marsh was granted a year of absence for rest and recuperation. Her place was taken by Etta A. Seaver, Smith, '92, recently of the North Easton High School. Miss Davenport, who had had charge of the drawing department since the organization of the school, resigned and was succeeded by Mary F. Carrick, Normal Art, '94, and supervisor of drawing in Natick schools. These ladies are worthy members of the exceptionally strong teaching corps of the school.

The regular teaching force has been supplemented by the employment of student teachers, who serve without pay and under the direction of the head master. They are all graduates of college or technical schools, and have their specialties. As in these days experience is indispensable to permanent employment, they are willing to give their time and service for what they can gain thereby. While they give no regular instruction, their services are of much value to the school. In both drawing departments the classes are large. Hence the individual direction and assistance that are essential can be given by the

regular teacher to only a limited extent. The three assistants in these departments, graduates of the Normal Art School and thoroughly trained, can give valuable aid by supplementing the work of the regular teachers. This is true, also, in the department of elocution, where of necessity there can be only class instruction with a single teacher and 600 students, and where some individual work is very desirable. In the chemical and biological laboratories there is always much work to be done in the preparation of specimens and material and their distribution. An assistant who has specialized in these lines can be very helpful. A student teacher in the department of stenography has saved the city the salary of a second teacher for at least two years. In the academic departments there is much that trained, intelligent, though inexperienced teachers can do. In the library, in corridor duties, in clerical work of various kinds and in their willingness to aid in a great variety of ways, they prove their value. Two of these students have already obtained lucrative premanent positions through the prestige this sort of experience has given them. A mutually advantageous arrangement of this kind, whereby the school is increased in efficiency and our own college graduates are very greatly assisted in beginning their life work, should be encouraged and made permanent.

The school continues to maintain the high standard of excellence which has been conspicuous from its organization. Whatever the earnest effort and enthusiasm of skilled and self-denying instructors can do, is constantly being done for its students. As its numbers increase and the circle of its patrons extends, the school advances in the knowledge and appreciation of our citizens ; and still, a large body of our people are ignorant of what the school offers and what it accomplishes. At recent informal receptions given in the



building by the teachers to parents of students, there were constant expressions of surprise, not only at the appearance of the building, but at the evidences of the diversity and practical nature of subjects taught.

While the expenses of the school, some of which are peculiar to the conduct of laboratories and manual training work, may seem large, we are confident that they are justified by the results that are constantly attained, and that all well-informed citizens will admit that the investment yields satisfactory returns.

As showing what proportion of those who enter the school drop out during the course, and how the loss is divided between the boys and the girls, the following tables are instructive. They furnish data for judging future membership, and apply to the three classes which have entered the school directly from the grammar schools.

STATISTICS OF CLASS OF 1899 IN DECEMBER, 1895,  
1896, 1897, AND 1898.

| Year. | Boys. |                           |   | GIRLS. |                           |   | TOTAL. |                                       |
|-------|-------|---------------------------|---|--------|---------------------------|---|--------|---------------------------------------|
|       | No.   | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Total<br>per cent.<br>loss<br>1 year. |
| 1895  | 90    | 46.9                      | . . .                                   | 102    | 53.1                      | . . .                                   | 192    | . . .                                 |
| 1896  | 59    | 39.6                      | 34.4                                    | 90     | 60.4                      | 11.7                                    | 149    | 22.4                                  |
| 1897  | 47    | 38.8                      | 20.3                                    | 74     | 61.2                      | 17.7                                    | 121    | 18.7                                  |
| 1898  | 36    | 36.7                      | 23.4                                    | 62     | 63.3                      | 16.2                                    | 98     | 19.0                                  |

Boys' loss from 1895 to 1898, 60 per cent.

Girls' loss from 1895 to 1898, 39.2 per cent.

Total loss of class from 1895 to 1898, 49 per cent.

STATISTICS OF CLASS OF 1900 IN DECEMBER, 1896,  
1897 AND 1898.

| Year. | Boys. |                           |   | GIRLS. |                           |   | TOTAL. |                                       |
|-------|-------|---------------------------|---|--------|---------------------------|---|--------|---------------------------------------|
|       | No.   | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Total<br>per cent.<br>loss<br>1 year. |
| 1896  | 92    | 40.3                      | . . .                                   | 136    | 59.7                      | . . .                                   | 228    | . . .                                 |
| 1897  | 75    | 46                        | 18.4                                    | 88     | 54                        | 35.3                                    | 163    | 24.1                                  |
| 1898  | 34    | 28.6                      | 54.6                                    | 85     | 71.4                      | 3.4                                     | 119    | 27                                    |

Total loss of class from 1896 to 1898, 47.8 per cent.

Boys' loss from 1896 to 1898, 56.5 per cent. Girls' loss from 1896 to 1898, 37.5 per cent.

STATISTICS OF CLASS OF 1901 IN DECEMBER, 1897  
AND 1898.

| Year. | Boys. |                           |   | GIRLS. |                           |   | TOTAL. |                                       |
|-------|-------|---------------------------|---|--------|---------------------------|---|--------|---------------------------------------|
|       | No.   | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Per cent.<br>of<br>class. | Per cent.<br>loss<br>in mem.<br>1 year. | No.    | Total<br>per cent.<br>loss<br>1 year. |
| 1897  | 82    | 38.9                      | . . .                                   | 121    | 61.1                      | . . .                                   | 211    | . . .                                 |
| 1898  | 58    | 37.9                      | 29.3                                    | 95     | 62.1                      | 21.5                                    | 153    | 27.5                                  |

TEACHERS.

There are now 252 teachers (23 men) employed in our schools; 32 in the high schools, 113 in grammar grades, 90 in primary work, 10 in kindergartens, and 7 as specialists.

During the year the city has lost the services of nineteen of its best teachers. Two of them, Mary S. Lawrence and Clara M. Bagley, died suddenly in the midst of their activities near the close of the school year. The action of the Board concerning them is recorded elsewhere in this report. Another,

Caroline S. Plimpton, relinquished teaching after a faithful and continuous service of 39 years in our schools, honored and respected by the hundreds who had come under her influence and instruction during this exceptionally long period of service. The 21 years of service of another, Elgina M. Plummer, were regretfully closed by ill-health. The fifth left us for financial reasons. Five others ended brief but honorable pedagogic careers to exercise their educational activities hereafter in connection with the strongest ally of the public school, a well ordered home. Ten, more than one half the whole number, were drawn from us by that irresistible attraction, a larger salary, an agency that is constantly depriving us of our strongest teachers.

Perhaps the most noteworthy change of the year in our teaching corps and one which awakened the widest public interest was in the department of music. After seven years of successful labor as supervisor of music in the six lower grades, Mrs. Gish Garwood resigned. After long continued efforts to harmonize divergent views, on the 49th ballot Mrs. Charlotte D. Lawton was elected her successor. Mrs. Lawton brings to her work zeal and enthusiasm, a thorough musical training, great skill in managing children, and a full knowledge of grade work gained in the Somerville schools,—an equipment which gives promise of gratifying success.

Of the teachers that resigned in 1898 the three longest in service taught in Somerville an average of 28 years. The average term of service of the remaining 15 was 4 years.

It is interesting to note that of the 92 teachers in the city who have resigned during the last five years, the period of service of fifteen is about 18 years, while seventy-seven served the city only 3 years and 4 months on the average. This furnishes some data by which future changes may be estimated.

We may expect to lose 100 teachers during the next five years.

Twenty-four new teachers have been employed during the year. In the selection of these teachers the question of fitness to fill a specific position has been the only one considered. The one thing that gives our schools the reputation which they justly bear is the discrimination which has always been exercised in the choice of teachers. Unstinted time and pains have been spent in this direction under the conviction that in this way only can our losses be made good and our standards maintained. Good health, professional training, successful experience, high moral character, have been considered prerequisites for employment. Strongly recommended teachers have been visited in their schools and judgments formed from actual observation. Probably five teachers are observed in this way for each one employed. It is gratifying to know that unfortunate selections are very rare. It would be possible but far from desirable to select our teachers from among those who make personal application for places. This class is a large one and made up chiefly of the unemployed who are found to be without experience or training, to be weak in some directions, to have failed in previous attempts to teach, to be in ill-health, to be desirous of temporary employment to tide over an exigency, or to be undesirable for one of a half dozen other reasons. Our city and its schools are to be congratulated on the almost utter absence of an element that has brought weakness and mediocrity to the schools of some other cities, namely, the demand of short-sighted and not unselfish partisans who seek employment for themselves or their friends on the ground, not of fitness or merit, but solely on the plea of residence or consanguinity. The citizens of Somerville, both in official station and in private life, demand for our schools the best teachers to be had, irrespective of personal or local considerations.

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## KINDERGARTENS.

The attendance at the five kindergartens supported by the city is shown to be as follows : —

|                        | Hanscom. | Jackson. | Prospect Hill. | Glines. | Hodgkins. | Total.   |
|------------------------|----------|----------|----------------|---------|-----------|----------|
| Enrollment . . . . .   | 108      | 92       | 88             | 102     | 103       | 493      |
| Average Membership .   | 46       | 43       | 42             | 41      | 50        | 222      |
| Average Attendance .   | 41       | 33       | 35             | 34      | 42        | 185      |
| Per cent. Attendance . | 90.1     | 77.8     | 83             | 82.3    | 84.8      | 83.3     |
| Age . . . . .          | 4—4      | 4—5      | 4—9            | 4—4     | 4—7       | 4y. 6mo. |

There has been expended on kindergartens the sum of \$4,953, and the per capita cost has been \$22.31.

At the present time, out of 1,677 children in the first grade of our primary schools, there are only 117 who have enjoyed at least one year of kindergarten training, less than seven per cent. of the whole number. These children are chiefly found in those schools in which the kindergartens are kept. A single year of kindergarten training is better much than none, but it is only those children who have had the complete course of two years that fully show its value in the rapidity and ease with which primary work is done. Such children may be expected to complete the three years assigned to primary work in at least two years.

It was a disappointment to the residents of the Spring Hill district that enlarged school accommodations provided no room for a kindergarten in their vicinity. Is it not a just cause of complaint that all sections of the city are not equally favored



in this respect? If the system is valuable for some children, why not for all? The extension of the kindergarten to include all sections of the city, and the making of the course compulsory involves a large expenditure, but one that equality of rights and privileges and the best good of the schools will imperatively require sooner or later. The other horn of the dilemma is the abandonment of the kindergarten altogether.

### EVENING SCHOOLS.

There has been little change in the character of our evening schools. Two of them continued their sessions to the first of March with small numbers of earnest students. The drawing school closed its season of 48 sessions with an exhibition that showed satisfactory progress and attainment.

This school reopened in October, with smaller numbers than usual, but under conditions that excluded all not absolutely entitled to its privileges. An outline of study for both the mechanical and free-hand departments was adopted by the committee in charge, restricting the course to three years in the mechanical department and to two years in the free-hand department and providing for diplomas to follow successful examinations showing the satisfactory completion of courses.

The elementary evening schools practically repeat the experience of so many former years, — large numbers of well-intentioned but weak-willed students entering, but dropping out after brief or irregular attendance until but few more than one fourth remain. To this comparatively small number, the schools bring profit, and in some cases marked and rapid advancement. At the Bell, the four upper rooms have been well lighted and have been utilized in such a way as to permit some degree of classification and class instruction. This has resulted in an increase of interest and value. If it were

possible to centralize our elementary schools, this system of small classes could be extended and great gain made in other directions, not the least of which would be a conspicuous decrease in expense. The entire enrollment in the drawing school for the season of 1897 and 1898 was 185, the average attendance was 53.5 per cent. of this number, or 99. The aggregate cost was \$1,739.39, or \$17.57 for each pupil. In the elementary evening schools, 542 registered and 139 were present on the average every night. The cost was \$1,879.15, or \$9.30 per pupil.

#### THE PUBLIC LIBRARY AND THE SCHOOLS.

The sudden death at the beginning of the year of the Librarian of the Public Library, Mr. Hayes, who had done so much to place the best books within easy reach of all grades of pupils in the schools, and thus to foster in them a taste for good reading, made no change in the relations existing between these two great educational forces. His successor, Mr. Foss, gladly took up the good work, and has carried it on with enthusiasm. New books in large numbers have been purchased for children, others adapted for use in schools have been added at teachers' suggestions, libraries of from 20 to 50 volumes have been placed in some school buildings to be read at home under the direction and responsibility of teachers, books have been distributed and collected at the large school buildings, and library privileges have been extended to all teachers and to the pupils of the high schools.

The English High School, especially, is under great obligation to the Library for the facilities which have been offered to its students. Constant use is made of the books in the work of the school, and in this way thousands of volumes have been added to the circulation of the library.

Every year's experience proves the value of this close articulation between the schools and the library. Some acquaintance

with books and authors has been given, good books are no longer rare visitors in many homes, an appetite for good reading has been created, and the gates of knowledge, opening constantly wider and wider, are revealing the riches of the world's literature to the young.

True, some additional burdens have been laid upon teachers in this connection, but the great majority of the teachers of Somerville have at heart all the interests of their pupils, whether more or less directly connected with school life, and are ready at all times to give advice and guidance and help.

During the year 19,528 volumes have been circulated through the schools. Thirteen schools have had the advantage of special libraries in their buildings for longer or shorter periods.

#### PHYSICAL TRAINING.

For at least eight years the Ling system of free gymnastics has been taught in our schools. The exercises have rarely progressed beyond the first half of the series in the authorized course. They have an undoubted value, although they do not bring much mental relaxation, for the mind must be tense and alert if the required standard of execution is reached. They afford a change of posture, an exercise of the muscles, some physical development, in a few cases possibly an improvement of health. It is, however, an open question whether our present graduates show marked superiority of physique or health as compared with their predecessors. The exercises should, however, by all means be extended rather than limited or abandoned.

But do we not use the term "physical training" in altogether too narrow a sense. In these days the claim is made that the whole child is sent to school. Not only are all his faculties to be wisely trained and developed, but his physical comfort and well-being are to be maintained and promoted.



This demand is recognized in modern school architecture,—ventilation must be perfect, light must be ample, furniture must be constructed on hygienic principles and suitably adjusted to size and growth, all sanitary features must be scientifically correct. It is recognized also in the pains taken to prevent the spread of contagious diseases through the schools.

While it savors too much of paternalism for the authorities to assume full charge of the health of school children, there are certain respects in which their progress in school,—to say nothing of their wise hygienic development in the formation of habits, in the regulation of diet, and in matters of dress and hours of sleep,—demands attention to physical conditions and immediate, perhaps radical, treatment. In every class are found a certain percentage of so-called dull children, cases of apparent arrested development. Examinations and tests have over and over again shown that these children are generally afflicted with some defect of sight or of hearing, or with some organic weakness or deficiency in other directions, which medical skill could easily remove. In the city of Brooklyn alone, a recent systematic examination revealed the fact that 50,000 of its school children have defective sight and need to wear glasses. The proportion is quite as large in other cities and towns.

Should not the physical training prescribed by school authorities include whatever may aid or retard the educational progress of school children? Should there not be some temporary or permanent school official thoroughly conversant with every phase of school hygiene and clothed with authority to promote any reform in school life that may appear to be wise? Teachers need to be trained in the best system of school gymnastics, and to have their attention frequently directed to matters of hygiene which, in their engrossment in

other duties, they are liable to neglect. The sight and hearing of pupils should be scientifically examined, and suitable prescriptions or advice given to parents. The earliest symptoms of contagious disease should be detected, and the danger removed. The ventilation, temperature, and sanitation of schoolrooms and buildings should be frequently looked after. Children with abnormal physical or mental development should receive especial attention. Authoritative advice regarding diet, sleep, recreation, home study, might be given. Along these and kindred lines of work a competent person could find constant occupation, and render extremely valuable service.

Allied closely to the physical welfare of children in school is the matter of suitable facilities for play and open-air exercise. To provide these is in no sense the duty of school authorities, yet what body of men can be more interested in whatever pertains to the welfare of children than a School Board, or more capable of giving sound advice concerning it? Our city has taken a wise and generous step in providing the beginnings of two public parks or pleasure grounds. But they do not provide exactly what is needed. There should be public playgrounds for the exclusive use of children, provided with swings and simple gymnastic apparatus, croquet and tennis courts and sand heaps, and readily accessible to even young children. The city already owns several parcels of land that could be fitted up, as suggested, at slight expense. The Franklin school lot, the old Lincoln school lot on Elm street, a portion of the city farm, the Glen street lot, the Harvard school lot, are already available. Other pieces of land can and should be bought in other localities, before they are otherwise occupied, and some provision for playgrounds other than the public streets, free from keep-off-the-grass signs, and fitted up somewhat like the Charlesbank grounds, should be made at an early day. It must be remembered that half of our children spend the long



weeks of summer at home, and greatly need these means of recreation.

Along the same line is the necessity for public bathing facilities for boys and girls, — a necessity already acknowledged, and too patent to need discussion here.

By no means remotely connected with the subject of physical training is that of school athletics. It is one in which high-school students, teachers, parents, committee-men, and the public are to a greater or less degree interested. This has become so important a school interest that the students of many of the high schools in this vicinity, in conjunction with teachers, have formed an association for the regulation of athletic contests. Extracts from the Rules of the Association are printed below for the information of parents and others interested. It will be seen that only students who maintain a satisfactory scholastic standing are allowed to participate in games, and that other restrictions are made to prevent abuses. As far as our schools are concerned, while great interest has been shown and praiseworthy achievements made, it is believed that there has been little neglect of school work, that injurious excesses have not been indulged in, that all contests have been marked by manly and sportsmanlike conduct, and that the financial affairs of the clubs have been so managed as to reflect no discredit on the schools whose names they bear. When the reverse of these conditions becomes apparent, it will be the duty of school authorities to intervene in the interests of sound education and good morals.

The following is taken from the Constitution of the Interscholastic Football Association :—

The following shall be the rules of eligibility :—

SECTION 1. No one shall be allowed to represent any school in any game of the Interscholastic Football Association, unless he is and intends to be throughout the school year, a *bona fide* member of his school, taking a full year's work of at least twelve hours per week.

SEC. 2. No student on probation or conditioned in his studies can take part in any game. A student who is dropped for *neglect* of his studies into a lower class shall be debarred from taking part in any game until the end of the next academic year, or until he has made up the deficiencies which stand in the way of his restoration to his original class.

The Executive Committee does not see its way to require a physical examination of players by a physician before they are allowed to play, but it strongly recommends that the masters should take some action so that boys who are in poor physical condition should not be allowed to play.

### PENMANSHIP.

For many years no question has aroused greater interest or led to warmer discussion both within and outside of official circles than this, "Shall the schools of Somerville teach slant or vertical writing." The story of the Natural Movement system of slant writing in our schools may be briefly told. It was introduced five years ago with hearty unanimity. It has been faithfully taught by teachers and for the most of the time under skilled supervision. It has resulted in giving the two upper grades a handwriting, rapid, fairly legible, easily produced. By concentrating attention chiefly on speed and movement instead of form, it has left pupils who drop out of school in the intermediate grades without the ability to write as well as they should. It has interfered with the regular written school work in grades below the seventh, and thus prevented the accomplishment of all that was desirable in other studies.

The proposition to supplant it by some system of vertical writing met with strenuous opposition. After the fullest consideration, however, it was voted by the smallest majority possible in a board of fourteen members to introduce vertical writing into the six lower grades of the elementary schools. Two systems were selected, the choice of either to be at the option of district committees. No copy-books were to be used,

and the question of the employment of a supervisor of penmanship, which had been in abeyance, was decided in the affirmative.

It is to be regretted that a change so radical and important could not have been made with greater heartiness and unanimity, and the new work be begun under circumstances more favorable to success. Nevertheless, the teachers of the grades affected prepared themselves during the vacation to teach the new system, and entered with their usual enthusiasm upon the task at the beginning of the fall term. Their efforts were directed and seconded by the supervisor, who had before him the difficult problem of teaching three systems of penmanship, diverse in form and methods, with no other aid than the black-board.

When all the unfavorable conditions are taken into account, the results attained at the end of fifteen weeks are very gratifying. As far as form and legibility go, the writing of all grades is superior to that of the same grades in June last. From their experience thus far, of the 158 teachers in the six lower grades, 140 prefer vertical writing for school purposes, 15 like the slant better, 1 is undecided, and 2 would prefer a modified slant.

The general opinion is that children learn the vertical hand more easily and more quickly; that naturally poor writers write it better; that it is much more legible and convenient for the reader; and that its use leads to greater care, fewer errors, and more neatness and precision in all written school work. The writing thus far is slow, as may be expected until forms are learned, and as all hand-work of children must necessarily be when thought and pains are exercised. What speed may be attained by practice after habits are formed, the future will show.



Whatever system of penmanship is taught in our schools, no obstacles should be put in the way of securing the best results. On the contrary, every aid which experience and reason have shown to be valuable should be used. The object to be secured is a legible, easy, rapid, and, if possible, graceful handwriting. The one means now lacking that will most greatly contribute to this result is copy-books, to bring the form of letters under the child's eye for imitation. This is especially needful when letter-forms are absolutely new and unfamiliar. At present the blackboard furnishes the copy. Seen only at an acute angle or by turning the head to the rear or side, letters appear foreshortened or distorted. Children with defective vision are helpless, and for those with normal sight the constant change of focus and the attempt to see what is distant and indistinct is both tiresome and injurious. Then, too, while the great majority of teachers have acquired the requisite skill to set copies worthy of imitation by their pupils, there are some who have yet to learn the art. The best results in writing will not be seen until pupils are provided with copy-books of some sort.

#### DRAWING.

Under the enthusiastic direction of the drawing supervisor the work of the schools in this branch has been prosecuted with interest and success.

The use of brush and water colors for a portion of the year has awakened a fresh interest, and has proved a valuable means of training. In addition to form, the wide variety of color, in its shades and tints, is to be closely studied and reproduced. Flower and plant forms and other natural objects are represented with great fidelity. Taste and the appreciation of the beautiful are developed in a way impossible when only the pencil is used. Even primary children working with colored crayon surprise us by their skill.



And yet the chief object of drawing instruction in schools, to train the child to recognize and appreciate the beautiful in nature and art so that his emotions and aspirations shall be kindled, cannot be accomplished by crude attempts on his part to produce the beautiful. There must be a training of the judgment and the taste by the study of nature itself and of the great masterpieces which bring nature and art to us from distant times and lands.

The recognition of this truth is leading to a new phase of the work,—the study of pictures. While this is the golden age of art reproduction, the chief difficulty that teachers encounter is that of placing in the hands or before the eyes of children suitable pictures in proper form. The demand, however, is fast creating a supply, the expense of which is inconsiderable, and should be borne as all other needful school expenses are, by the city rather than by the child.

The following from Superintendent Balliet of Springfield bears strongly upon the question :—

Another false conception of art education now prevalent in public schools is that the main object is to have children produce something beautiful. This is important, but it is immensely more important that children be trained to appreciate what they see. This can be accomplished more effectively by having them study photographs which are good reproductions of great works of art, such as paintings, sculpture or casts, and architecture. This truth is just coming to be recognized. The movement to decorate schoolrooms with such works of art meets the need of the schools only in small part, since what is really needed is a collection of such reproductions in each school, selected solely with a view to class instruction.

Children's literary taste is developed not by having them write compositions, but by having them read the great masterpieces of literature. The teaching of drawing alone does little more to develop the art-sense in children than the teaching of composition

does to develop literary taste. Every child should be trained to write good English, as a means of expressing his thought; in like manner he should be trained to draw with sufficient facility to express himself in the language of drawing. This has been aptly called "graphic drawing." In both cases there should be an effort made to have this training in expression lead up to the beautiful in art. Art training in schools should not depend on this alone, but should be followed by actual study of works of art. The creative power of the mind must be trained, but this can be done in more than one line of school work.

#### APPORTIONMENT OF SCHOOL TIME.

We occasionally hear it suggested that the elementary schools are overburdened with a multiplicity of studies and that time is spent on the less important at the expense of the more important. To answer the criticism, the following table has been prepared. It is based on the present time schedule to which teachers are expected rigidly to adhere. It tells how many minutes out of every 100 in the nine years of our lower grades, are spent upon each subject in the course. The language studies,—together with arithmetic and writing, have been grouped under the time-honored caption "the three R's." It will be seen that, taking the grades through, five eighths of our school time is spent upon these. About three tenths of it is spent upon the subordinate studies of the course, while opening and closing exercises and relaxation consume the remaining twelfth. In examining the table it must be remembered that the measurement is of necessity made in teachers' time. The grouping of pupils must be taken into account. For example, in the first grade there are ordinarily five groups in number-work daily, giving less than four minutes of teaching to each child. In grammar grades, spelling, geography, and history are home studies and so

receive additional attention not shown in the table. This arrangement of time and studies may need readjusting and it may be far from the wisest. The facts are presented for information, thought, and suggestion.

TABLE SHOWING NUMBER OF MINUTES IN EACH 100 SPENT UPON DIFFERENT STUDIES.

| STUDIES.  | PRIMARY GRADES. |     |      |      | INTERMEDIATE GRADES. |    |     |      | GRAMMAR GRADES. |       |     |      |
|---|-----------------|-----|------|------|----------------------|----|-----|------|-----------------|-------|-----|------|
|   | I.              | II. | III. | Ave. | IV.                  | V. | VI. | Ave. | VII.            | VIII. | IX. | Ave. |
| Reading, Spelling, Language . .                                       | 47              | 48  | 45   | 47   | 39                   | 33 | 31  | 34   | 30              | 30    | 31  | 30   |
| Arithmetic . . . . .  | 17              | 16  | 15   | 16   | 16                   | 18 | 18  | 17   | 18              | 21    | *25 | 21   |
| Penmanship . . . . .  | 7               | 7   | 8    | 7    | 8                    | 8  | 8   | 8    | 8               | 8     | 4   | 7    |
| “The three R’s” . . . . .   | 71              | 71  | 68   | 70   | 63                   | 59 | 57  | 59   | 56              | 59    | 60  | 58   |
| Geography and History . . . . .                                       |                 |     | 3    | 1    | 8                    | 10 | 14  | 11   | 16              | 14    | 17  | 16   |
| Physiology and Nature Study . .                                       | 4               | 4   | 4    | 4    | 8                    | 8  | 8   | 8    | 7               | 6     | 6   | 6    |
| Drawing and Music . . . . .   | 14              | 14  | 14   | 14   | 13                   | 13 | 11  | 12   | 11              | 11    | 11  | 11   |
| Subordinate Studies . . . . .   | 18              | 18  | 21   | 19   | 29                   | 31 | 33  | 31   | 34              | 31    | 34  | 33   |
| Opening and Closing Exercises, }<br>Recesses and Physical Exercises } | 11              | 11  | 11   | 11   | 8                    | 6  | 6   | 7    | 6               | 6     | 6   | 6    |
| Sewing and Mechanical Drawing   |                 |     |      |      |                      | 4  | 4   | 3    | 4               | 4     |     | 3    |

\* Including Bookkeeping and Algebra.

### GRADING AND PROMOTIONS.

Among the educational questions now uppermost, not the least important is this, “How can the graded school better supply the varying needs of the individual pupil?” It is an old and perplexing problem that has thus far found no satisfactory answer. Given fifty children with a crowded curriculum, a limited time, and all degrees of intellectual power from the bright, quick, interested girl at the head, to the slow, dull, indifferent boy at the foot of the class, how shall the teacher accomplish



the taskmaster's work without repression and lock step on the one hand or forcing that leads to failure and discouragement on the other? Attempts at solution have varied in character and success as conditions have been more or less favorable. In some places a system of double promotion has been found helpful, but very few can do two years' work in one year without overstrain or superficiality, and the plan affords no relief to those who must plod. In some schools where grammar pupils are massed, skipping classes are formed and the circuit shortened by one, two, or three years according to capacity. Elsewhere special teachers are employed to supplement the work of the regular instructor by giving to each extreme the special assistance required. This plan is good, but its cost precludes its general adoption, for it demands additional room as well as more teachers. In some places the pupils are taught in small groups of six or eight each, pushing on as rapidly as possible. This calls for rare gifts in the teacher and may lead to confusion and loss. Here and there the instruction is wholly individual in character, each child working independently of every other. This requires small classes and skilful management. Some claim to have found partial relief in departmental teaching, but there are losses that offset the gains. While a few localities are satisfied with one plan or another, no scheme has yet been devised equally suited to all the schools of any grade or city.

In our own schools several of these plans have been tried here and there spasmodically, but there has been no general attempt to seek or apply a permanent remedy. Teachers have been watchful and children of conspicuous ability have been advanced rapidly, but in the main, the teachers have been satisfied to do their best to adapt requirements to the average middle of the class, giving some extra work to the more capable, and leaving the least favored to get what they can, and to repeat the work another year.



The facts with regard to promotions in June, 1898, have been carefully gathered and tabulated and may be found elsewhere.

They show that out of every hundred pupils on the June promotion lists, seventy-nine were promoted unconditionally, twelve on trial for three months and the remaining nine were left behind to repeat the work. Of every twelve promoted on trial, one dropped back because unable to maintain a satisfactory standing. In other words, of the forty-six pupils now found in the average schoolroom, four are going over the work of the last year. This number is by no means excessive when individual cases are investigated and sickness and changes of residence, the chief causes of interruption to school work, taken into account. And yet in the aggregate the number seems large. Should all of the present ninth grade graduate in June next, their age will average fifteen years five months. As the age at entering is five years seven months, it will appear that in some way nearly one year is lost during the nine years' journey through elementary schools. Two hundred pupils have received special promotion during the current year.

It will be found that the children who are obliged to repeat the year's work are ordinarily included in the following classes :—idle, careless, indifferent boys, whom no pedagogic art can lead or drive to the satisfactory accomplishment of their tasks ; a few who have fallen hopelessly behind by unavoidable absence or ill-health ; now and then an abnormally undeveloped child without capacity ; and some diligent pupils whose minds act slowly, or who are lacking in natural ability along some one line of requirement. Very few of these need a whole year to make up their deficiencies. But as a rule we provide no shorter interval between classes, and they have no option other than to remain victims of an inflexible system.

A pernicious assumption underlies our course of study. It is that just so much ground must be gone over with equal thoroughness by all pupils in the same time. What is needed is greater flexibility of courses and rules, a greater regard for the abilities and needs of the individual pupil. Why, for example, should not high school courses be extended to cover five years if need be, so that the frail or slow may accomplish their sixty periods of required work at a pace that will not jeopard health or self-respect? Why should we insist that the girl whose mathematical bumps are concave should toil despairingly through subjects she can but dimly comprehend, only to be at last deprived of school privileges that the more fortunate enjoy? Why not allow her, the necessary rudiments of numbers needed in practical life being acquired, to drop arithmetic, or algebra, or geometry, and to spend her time upon what attracts her and in what she excels? Or why should the boy with no taste or ability for grammar, or music, or drawing, be compelled to attain a certain standard in those studies in order to go on with his class and develop in more congenial directions, where his success may be brilliant? Why seek to substitute uniformity where nature has planned diversity? Would our school system disintegrate if elective studies should be extended into elementary schools? Shall we not recognize inherent unchangeable differences in children, and modify our requirements accordingly? Surely the subject is of sufficient importance to awaken interest, and thought, and action among teachers and parents and those who control the methods of the schools. Our hope of improvement lies chiefly along the line of smaller classes and greater freedom of instruction. When the ideal number of pupils is reached, when teachers cease to be trammelled by unteachable numbers and by too rigid rules, when they are controlled by the single purpose to do the best possible by each child, whose needs and powers they have closely studied,

rather than by the class as a whole, when we cease to expect uniformity of attainment and power and progress, when we consent to give natural taste and talent a fuller swing and a wider range, we shall accomplish more for the child and thus best conserve the interests of the community for whose advantage the schools exist.

In this connection the question is raised whether the interests of the schools would not be enhanced by the establishment of ungraded classes, possibly one in each district. There are found in every school, boys and girls overgrown, wilful, indifferent, hard to interest and hence to manage, who foment trouble and demoralize the class; unfortunate children of meagre past opportunities; some who are seeking advancement out of grade movements; some who are trying to neutralize the effect of absence and need special help; some who have been left behind and are trying to overtake their classes. In every district at least twenty such — the maximum number — can be found, who might be committed to the tuition of a kindly, sympathetic, wise, tactful teacher with a salary large enough to secure the best, and in this way the schools be relieved and the interests of a class of children who have especial needs be greatly promoted. Such schools are established in other cities, and when managed so that no opprobrium attaches to membership therein, are productive of most excellent results.

#### MANUAL TRAINING.

Recent changes in the Statutes make the teaching of some form of manual training in the grammar as well as the high schools, obligatory upon every city of twenty thousand inhabitants. The introduction of some form of hand-work for boys in our upper grammar grades is no longer optional.

The requirement is based, of course, upon the value of this line of work as an element of education. Experiments have



settled the question beyond dispute. The reasons for its introduction below the high school are found in the fact that the curriculum of high schools, particularly in classical departments, is so crowded that a large majority of boys get no time for it. Then, too, many boys to whom this training would be of greatest value, never enter the high school. Again, the elements of manual training can best be taught to boys below the high school age. "There is a moral as well as an intellectual advantage that comes from the correlation of hand with brain, that is very much greater in earlier years."

The Franklin School building is at present unoccupied, and with comparatively little expense could be renovated and fitted with benches and an equipment for wood-working. The building is accessible to the majority of ninth grade pupils. An annual outlay of twelve hundred dollars would provide a weekly two-hour lesson to eleven detachments of pupils from our large schools.

The following, on the educational value of manual training, is from the last report of the Secretary of the State Board of Education, and is commended to the attention of those interested.

It is the misfortune of manual training that a wide gulf exists between the ideal training intended, and the poverty of the name that is popularly given to it. This name is too suggestive of the hand, of a kind of finger deftness, of a training that is not seriously mental, of a sort of discipline meagre in æsthetic and moral elements, of a preparation for the shop, rather than for a broader life; and so one of the grandest thoughts in education has to struggle against the opprobrium that goes with the poverty of its best known descriptive epithet. This great thought is that ideas are the embodiments of force; they have a dynamic character; they stir the motor areas of the brain; they tend to discharge themselves in action; they impel, in short, to the doing of things. Now, the



energy that would express itself in ideas may be squandered, like any other energy, in innumerable petty, neglected rills, or it may be gathered up, concentrated and made to do work, precious in itself in utilitarian ways, and precious in its reaction on the mind in intellectual and moral ways. Nay, neglect of such guidance of the child's activity into channels of well-considered work is neglect of the child himself. Education of the child that goes on in strictly bookish, sedentary, inert ways reaches only half the child, and makes less of that half than it ought. It engages the brain in but a part of its activities. It leaves the rest to grow as Topsy grew. It ignores the wonderful possibilities there are in training the motor areas of the brain to co-operate with the sensory, — possibilities, on the one hand, of making the physical activities glow with increasing intelligence, and, on the other, of having these activities react in a most invigorating way upon the intelligence that inspires them. The tiny associative fibers that bind together the sensory, motor and other regions of the brain, multiplying and growing so as to reflect, as it were, the kind and the extent of the co-ordination that is secured among these regions, are the physical expression of educational processes that merit profound study and discreet guidance. Were it not for the child's spontaneous activity, — an activity always struggling to assert itself, schools or no schools, — he would not fare so well as he now does. Such unguided activity, if not so educationally telling as it ought to be, is, in its way, the child's support and defence in such schooling as he receives. This activity has brought him, indeed, countless woes at the hands of those who have misinterpreted it, but his rebel attitude towards everything that would crush it still persists. When will the world learn that nature is more the rebel than the child? Take account of his active nature, give it a fair field, utilize the energy that is bubbling up and running to waste, and the rebellion is over. Among the many definitions that may be given to education, this is not without value: education is nobly-inspired and well-ordered self-activity. No educational process covers the field that does not reckon with all the ways in

which such activity tends to express itself, — ways to be checked as well as to be encouraged. A good school is a successful agency for directing and utilizing the activity of children. And the activity of children is at its best when it leads from play up to work, — we want men of action ; from instinct up to deliberation, — we want men of reason ; from interest up to will, — we want men of character ; from dependence on others to dependence on self, — we want men of self-reliance ; from selfishness up to altruism, — we want good citizens ; in short, from the lower, natural, uncultured self, up to the higher, ideal, educated self, — we want the best of which men and women are capable.

#### THE OUTLOOK.

The answer to the question, “Are our schools accomplishing all they ought?” depends largely on one’s point of view. The pupil, the teacher, the principal, the superintendent, the school board, the parent, the citizen, the taxpayer, the business man, the theorist,—each has his reply conditioned on differing ideals or demands. If the observations and judgments of all of them could be obtained and harmonized and the administration of the schools based thereon, improvements might result. While it is impossible to unify opinions so widely divergent, the criticisms and suggestions of those who see the schools from different angles are both valuable and acceptable, provided always that they are based on positive knowledge. A leading difficulty lies in the fact that the critic’s horizon is narrowed by opportunity, or prejudice, or self-interest. Another comes from the impossibility of measuring the intangible results of educational effort and attainment. Knowledge can be tested, but power and character, what alchemy can analyze, what skill can measure them! Time alone can show how far the schools yield these essential products.

It is quite natural for those who are responsible for school management to take optimistic views. There is danger indeed

of complacency. And yet we venture to say of our schools that they are doing well and carefully the work for which they are established. They are fairly well supplying the distinctive needs of the community that supports them. They run with little apparent friction. The relations between teachers and pupils are pleasant. There is the spirit of harmony and co-operation among teachers and parents and authorities. Attendance is regular, and children are interested in their work and remain longer in school than formerly. Our graduates take high rank in advanced schools and in business pursuits. Visiting experts commend our work. Our teachers are invited to positions more important and lucrative. Those that remain are enthusiastic and progressive, dissatisfied with present attainment, striving for something better.

The last twenty-five years have seen marked advances in at least four directions:—First, in whatever pertains to the physical comfort and well-being of children; second, in the enrichment of school courses, giving wider range and increased interest; third, in higher ideals and improved methods of instruction and discipline; fourth, in largely increased high-school advantages and attendance. In all these changes, Somerville schools have shared in greater or less degree. And yet other and equally important changes lie in the immediate future. Among them may be mentioned, smaller classes and the consequent individualizing and specializing of instruction; the extension of manual training; the multiplication of kindergartens; the modification of primary school methods to bring them into accord with the natural development of the child's powers; increased attention to physical needs; the raising of the compulsory school age; the still farther enlargement of high-school facilities; the extension of elective studies, and greater flexibility in the graded system; still higher standards of attainment and power in teachers; the recognition of



increased value in service by corresponding increase in compensation. In all the inevitable improvements in education which the spirit of the age is sure to demand and to evolve, we must be ready to share. With these changes will come increased burdens, but the compensations will far outweigh them.

The progress of events is rapidly bringing us face to face with new duties and wider opportunities. Never was there greater need in the nation, in the state, in the city, of intelligent, loyal, self-controlled citizens. To produce and develop these we rely chiefly upon the public schools. Let us grudge no pains or expense if only they may be made to bring forth men and women, intelligent, brave, patriotic, pure,—trained to think, to plan, to execute wisely and nobly for the maintenance and extension of whatever brings strength, happiness, and prosperity to the state.

The Superintendent extends his thanks to the members of the Board for their wise direction and cordial support and to principals and teachers for sympathetic co-operation during a fifth year of pleasant service.

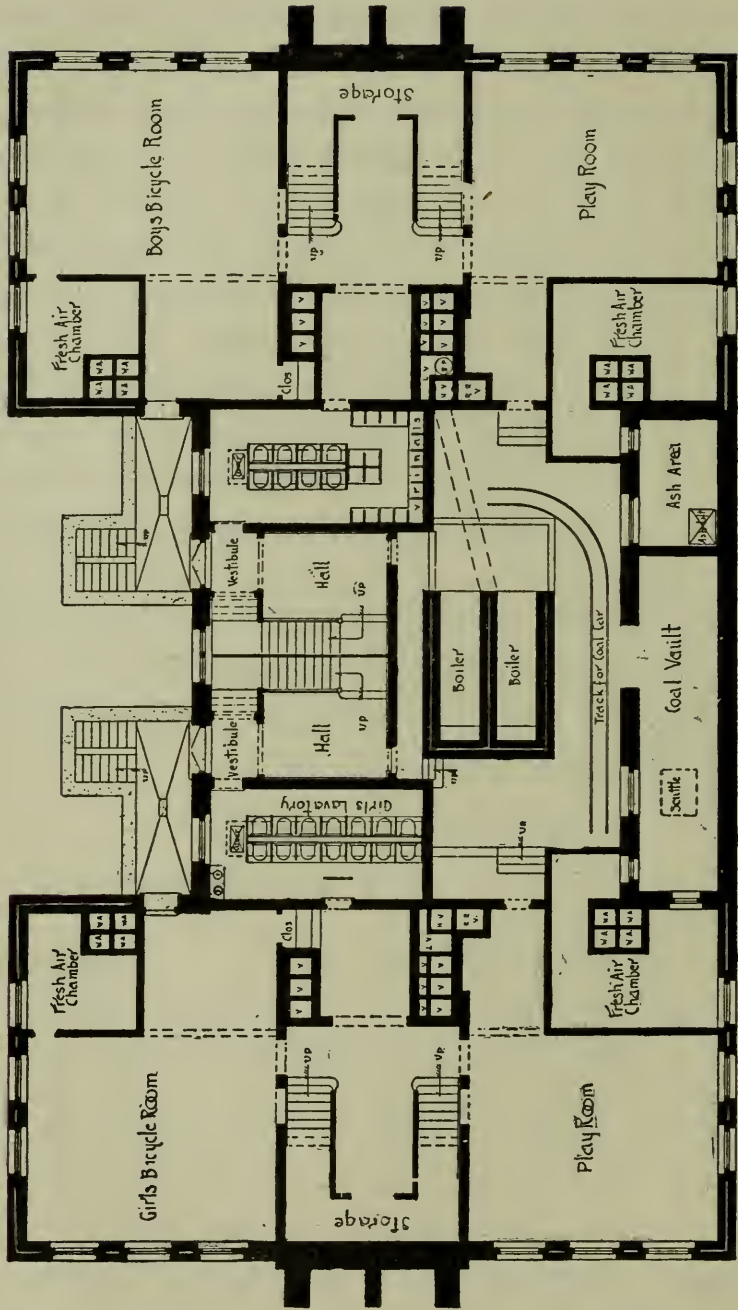
Respectfully submitted,

G. A. SOUTHWORTH,

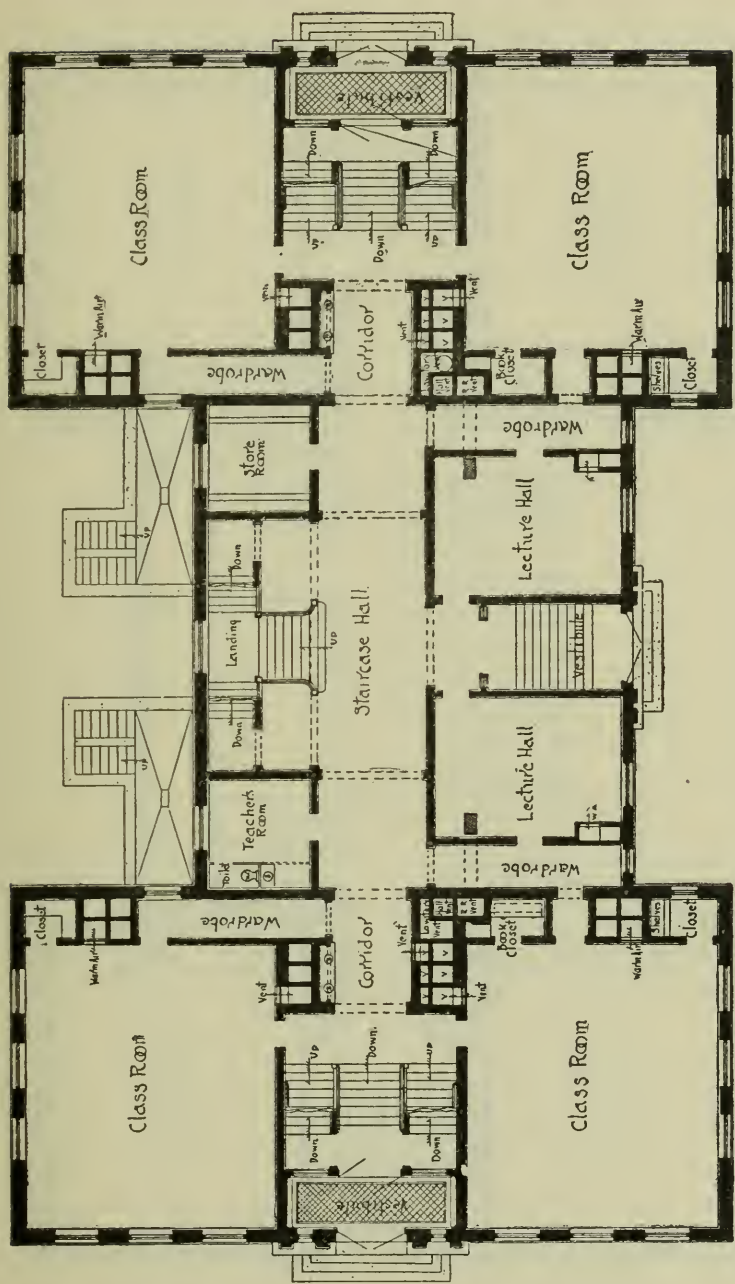
SOMERVILLE, December 30, 1898.

*Superintendent.*

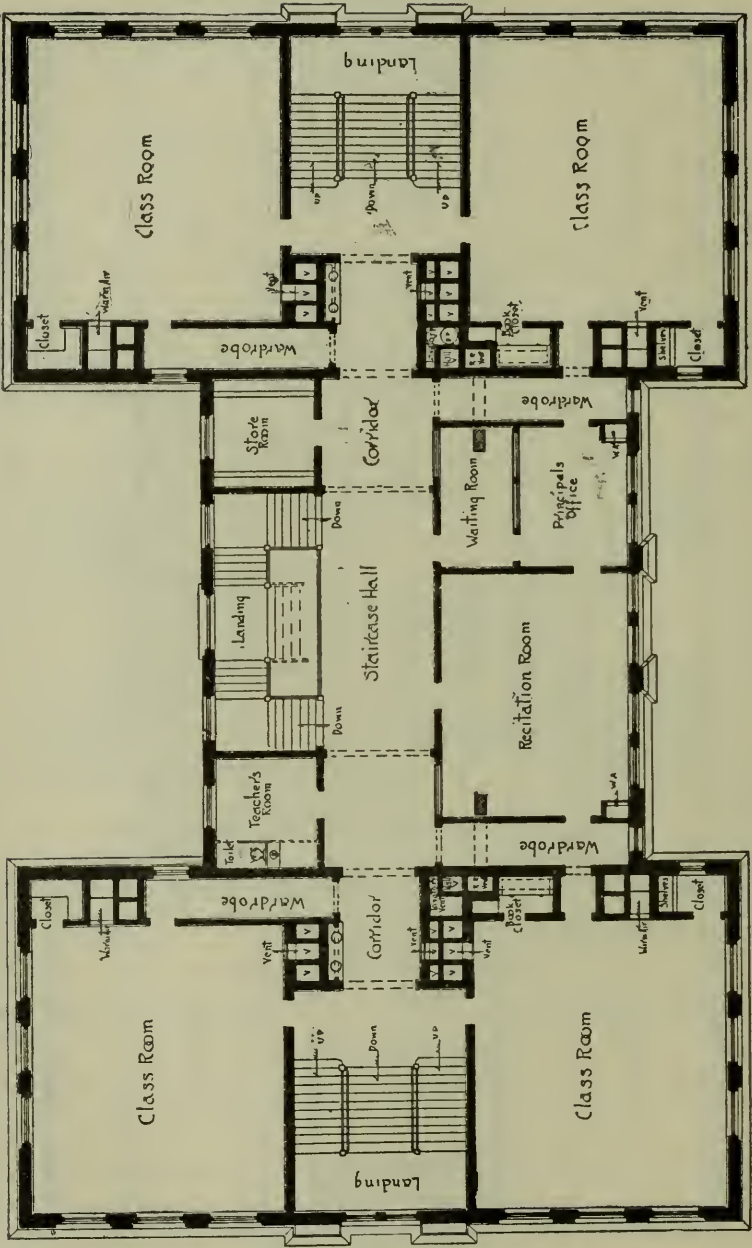




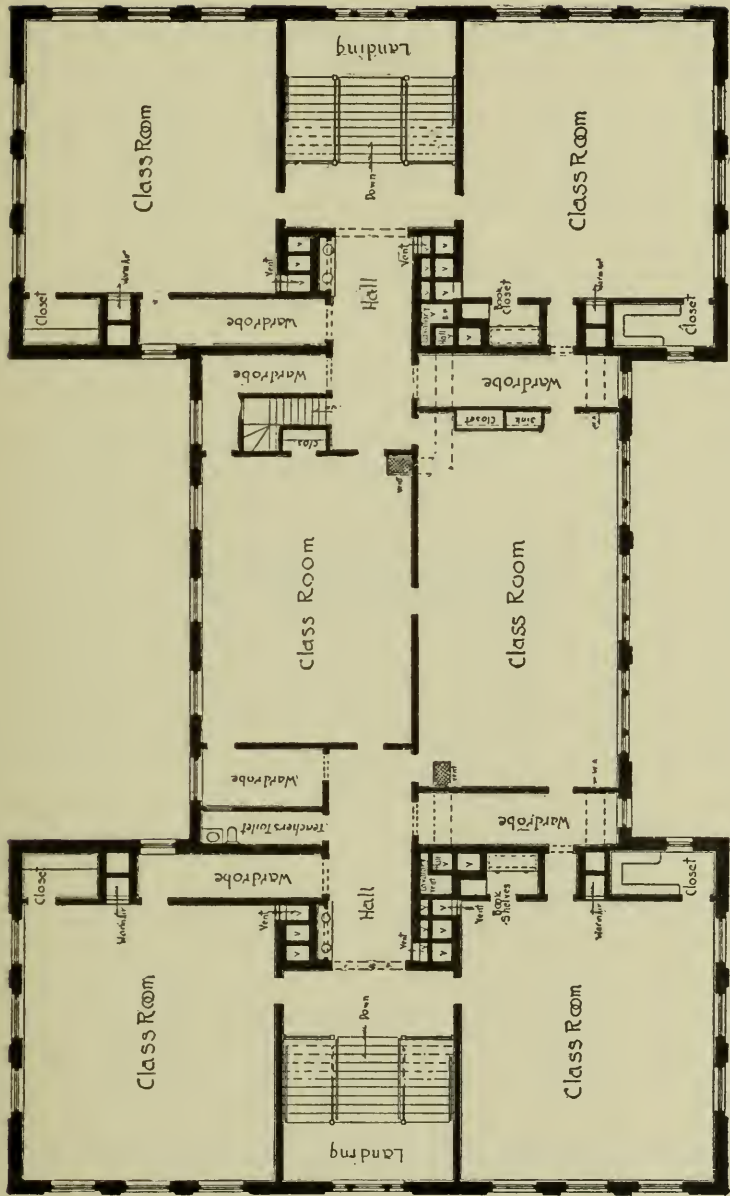
PLAN OF BASEMENT. MARTIN W. CARR SCHOOLHOUSE.  
AARON H. GOULD, ARCHITECT.



PLAN OF FIRST FLOOR. MARTIN W. CARR SCHOOLHOUSE.



PLAN OF SECOND FLOOR. MARTIN W. CARR SCHOOLHOUSE.



PLAN OF THIRD FLOOR. MARTIN W. CARR SCHOOLHOUSE.





## APPENDIXES.



## CONTENTS OF APPENDIX I.

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1. In Memoriam.
2. Organization of Somerville Schools.
3. Evening Drawing School Regulations.
4. Somerville Teachers' Association.





## IN MEMORIAM.

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MARY S. LAWRENCE died June 24, 1898.

The School Board of Somerville recognizes with sorrow the loss the community has sustained in the sad and sudden death of Mary S. Lawrence, stricken down in the midst of active duty after five years of faithful service in our schools, and desires to place on record its grateful appreciation of the zeal, fidelity and unselfishness with which she devoted herself to the interests of the children under her care.

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CLARA M. BAGLEY died July 5, 1898.

Miss Clara M. Bagley completed twenty-five years of continuous service in the lowest grade of the Edgerly School on the 30th of June last, and died on the following Tuesday.

The School Board of Somerville desires to place on record its grateful appreciation of Miss Bagley's long, earnest, and faithful service and of her unselfish devotion to the interests of those under her care, and its cordial tender of sympathy to all to whom her death brings severest loss and sorrow.



## ORGANIZATION OF SOMERVILLE SCHOOLS.

Information concerning our schools is frequently sought by citizens or by school-men in other localities. Following may be found the principal facts concerning them. Additional knowledge may be gained from the Rules and Regulations which are printed on subsequent pages for the benefit of parents and the local public.

KINDERGARTENS. — The city supports five kindergartens, in the Hanscom, Jackson, Prospect Hill, Glines, and Hodgkins schools. Vaccinated children between three and a half and five years of age are admitted to the kindergarten nearest their residence during the months of September and April, and may remain until the July following their fifth birthday. Sessions from 9 to 12.

Head kindergartners receive \$600. One trained assistant is allowed when the number exceeds thirty, at a salary of \$275, \$350, or \$425, according to experience. Kindergarten teachers give five hours daily to their work, the afternoon being employed in visitation, preparation, mothers' meetings, and the like.

PRIMARY SCHOOLS. — Our elementary-school course covers nine years, the first three of which are spent in primary schools. We have no exclusively primary school buildings, the eighty-three primary classes being distributed among the twenty-three schoolhouses.

Vaccinated children five years of age, or who will reach that age on or before the first day of January, are admitted during the month of September only, provided they have never attended school before. Children able to enter existing classes will be admitted at any time. Application for admission should be made to the principal of the school.

At present the primary classes contain 3,938 pupils, 43 per cent. of whom are in the first grade, 30 per cent. in the second, and 27 per cent. in the third. Average number to a teacher, 47.4.



Only trained or experienced teachers are employed, the salaries being \$300, \$400, \$500, or \$600, according to length of service. Normal training is equivalent to a year's experience, and experience in other places is counted in determining salary.

Teachers with classes numbering fifty-six are allowed an assistant, who is paid \$200, \$275, \$350, or \$425, according to years of service.

GRAMMAR SCHOOLS. — The grammar classes are found chiefly in eleven large buildings of twelve rooms each. The course covers six years and includes only those studies which the statute requires, with the addition of music, sewing, and elementary science.

Eight hundred and eight pupils were promoted into the fourth grade in June last, at an average age of 9 yrs. 4 mos. Three hundred and eighty-two were graduated in June at an average age of 15 yrs. 4 mos. There are at the present time, December, 1898, 4,581 in the grammar schools divided among the grades as follows : —

|                               |                              |
|-------------------------------|------------------------------|
| Fourth, 1,036, 22.6 per cent. | Seventh, 723, 15.8 per cent. |
| Fifth, 950, 20.7 “ “          | Eighth, 553, 12.1 “ “        |
| Sixth, 824, 18.0 “ “          | Ninth, 495, 10.8 “ “         |

The average number to a teacher is 45.8.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$675.

PROMOTIONS. — Promotions in all grades from the first to the thirteenth, are made in June by the regular teacher and the principal with the approval of the Superintendent and district committee. They are based on the estimate of the pupil's daily work made by the teacher and recorded bi-monthly. An occasional brief, unannounced written test is a factor in this estimate.

Where there is reasonable doubt of a student's fitness, he may be promoted on a trial of three months. In such cases the parent is notified and kept informed of his child's progress. At the end of this probationary period he may be returned to his former grade, provided it seems for his interests. In 1898, ten per cent. of those promoted on trial, fell back.

Children capable of more rapid advancement may be promoted one or more grades at any time. Two hundred were thus promoted in 1898.

Fitness for graduation or for admission to the high schools is determined in precisely the same way. Diplomas are given in grammar and high schools to those who have satisfactorily completed full courses.

LATIN HIGH SCHOOL. — In September, 1895, in the forty-third year of its existence, the Somerville High School was divided, the classical or college preparatory departments remaining in the old building, erected in 1872, and the English departments occupying a new building erected in 1894-95.

Some facts concerning the Latin School are presented in the following table :

| School Year. | Average Number Belonging. | Number Entering. | Graduates. | Cost of Instruction. | Per Capita Cost. | Teachers. | Pupils to a Teacher. |
|--------------|---------------------------|------------------|------------|----------------------|------------------|-----------|----------------------|
| 1895-6       | 257                       | 69               | 50         | \$11,702             | \$45.57          | 9         | 28.6                 |
| 1896-7       | 262                       | 81               | 51         | 11,840               | 45.19            | 9         | 29.1                 |
| 1897-8       | 273                       | 86               | 55         | 11,921               | 43.67            | 9         | 30.3                 |

The course of study in this school is determined chiefly by the requirements of Harvard University. Its graduates find ready admission to any college. The Head Master's certificate of qualification is honored wherever examinations are not required.

Special courses are marked out to meet the wants of those pupils who desire special preparation for special courses for college or for professional schools.

The regular time for completing the course is four years. Pupils, at the request of their parents, can make the work of each year easier by taking five years for the course. Those who are capable and have good reason for shortening the time of preparation, are allowed to complete the course in as short a time as their ability will permit.

Graduates of grammar schools are admitted to either high school on presenting a certificate of qualification signed by a master. All other pupils are admitted by an examination in grammar school studies, given usually on the Saturday preceding the opening of the schools in September.

The tuition for non-residents is the per capita cost for the year, payable in advance. The sessions of the school are from 8.30 to 1.30. The salaries paid high school teachers are given on later pages of this report.

ENGLISH HIGH SCHOOL. — This school was organized in September, 1895. Information concerning it is found in the following table :

| School Year. | Average Number Belonging. | Number Entering. | Graduates. | Cost of Instruction. | Per Capita Cost. | Teachers. | Pupils to a Teacher. |
|--------------|---------------------------|------------------|------------|----------------------|------------------|-----------|----------------------|
| 1895-6       | 456                       | 213              | 67         | \$20,102             | \$44.13          | 21        | 21.7                 |
| 1896-7       | 531                       | 235              | 70         | 23,010               | 43.33            | 21        | 25.3                 |
| 1897-8       | 535                       | 224              | 75         | 24,843               | 46.44            | 22        | 24.3                 |

The course of study covers four years. Graduates are admitted to special courses when the conditions are favorable. Candidates for technical and normal schools take specific preparatory work.



Each student is required to take at least fifteen periods of prepared and five periods of work that requires no previous preparation. Unprepared work consists of drawing,—optional after the first year,—elocution, ethics, and music,—required throughout the four years,—manual training and typewriting,—optional. English language and literature, and composition, together with history, are compulsory studies throughout the course. Algebra and geometry are required during the first and second years.

The wide range of elective studies is a distinctive feature of the school. The choice of the first year may be one of the following: Latin, French, German, biology (botany and zoölogy), manual training, and mechanical drawing. To these physics is added for the second year, and chemistry, geology, and astronomy for the third and fourth. After the second year two or more electives may be taken.

During the third and fourth years the student may elect in a business course, bookkeeping, commercial arithmetic, commercial law, penmanship, stenography, typewriting; in mathematics, advanced algebra, solid geometry, analytical geometry, and trigonometry; in advanced science, work in botany, zoölogy, physics, chemistry, and drawing.

Of the fifteen periods of prepared work the course prescribes ten periods the first year, eleven periods the second year, seven periods the third year, and seven periods the fourth year. The pupil has the privilege of selecting from the list of elective studies, subjects whose recitation periods each week, or their equivalents, when added to the required prepared work, shall equal the necessary fifteen periods.

Concerning admissions, sessions, etc., see Latin School.

A simple, healthful, inexpensive lunch is served at the recess midway of each session to pupils desiring it.



MANUAL TRAINING.—Three rooms are fitted and equipped in the basement of the English High School for its manual training department. The course includes carpentry, wood-turning and carving, clay modelling, pattern making, moulding, and casting. A fourth room is devoted to mechanical drawing with a full course. Manual training has not been extended to include grammar schools.

The sub-master in charge of the manual training department is paid \$1,700, and his assistant, \$1,100.

SEWING. — Sewing is taught to the girls in the fifth, sixth, seventh and eighth grammar grades in weekly lessons of one hour each.

Two special teachers are employed at a salary of \$600 each, and an assistant employed for a portion of the time is paid \$300.

MUSIC. — Weekly instruction in music is given exclusively in the high schools and in part in the three upper grammar grades by a specialist, who is paid \$1,500 for four days' service. This sum also provides the orchestral music needed at graduation exercises. The books used are "The Euterpean" and "The Cecilian Series of Music and Song," Nos. three and four.

In the six lower grades, musical instruction is given by the regular grade teacher, under the supervision of a specialist who visits each class once every twelve days. She is paid \$900. The Normal System of Music, with its books and charts, is used.

GYMNASTICS. — In the English High School, twelve minutes are taken daily for free gymnastics, under the general direction of the teacher of elocution. In elementary grades, the Ling system of Swedish gymnastics is practised daily. No special teacher is employed.

RECESSES. — The Latin School has two brief recesses, breaking the daily session into thirds. The English School has a single recess at the end of the third period.

The four lower elementary grades have a five-minute recess midway of each session. The five upper grammar grades have no recess, though no unreasonable physical restraint is placed upon any pupil.

No detention of pupils is allowed at noon, and but a half-hour's detention at the close of the afternoon session, "for wilful neglect of duty only."

CORPORAL PUNISHMENT. — Corporal punishment, "which includes any infliction of physical pain or application of physical force," is not prohibited. It must, however, not be administered until twenty-four hours after the offence, the approval of the principal being first obtained. Each case must be reported in detail to the Superintendent. There were 204 cases in 1897 and 256 in 1898.

DRAWING. — A special teacher of drawing is employed in the English High School, at a salary of \$900. In that school freehand drawing is compulsory for first-year pupils, and elective for all others. Drawing is not taught in the Latin School.

In the primary grades daily lessons, and in the grammar grades semi-weekly lessons are given by the regular teacher, under the direction of a supervisor, who visits each class once a month and is paid \$1,000.

The course includes pictorial drawing from nature, models, and objects; structural drawing from type solids; decorative drawing, designing and color-work, historic ornament and picture-study. No drawing books are used. Colored pencils are provided in primary grades, and water colors and brush in grammar grades.

PENMANSHIP. — Vertical writing was introduced into the six lower grades of the elementary schools in September, 1898, the Natural and the Duntonian systems being used. The Wells Natural Movement method of slant writing is taught in the three upper grades. No copy-books are used. The supervisor visits each class once in three weeks and receives \$1,200.

**TRAINING SCHOOL.**—The training school occupies three rooms in the Beech Street building and is under the charge of the Standing Committee of the Spring Hill district. At present it includes two first-grade classes and one of the second grade, under the direction of a critic teacher who is aided by six assistants. Assistants, who must be normal-school graduates, are paid \$200, the required term of service being one year. Those who show inaptitude for teaching may be dropped at any time. The city incurs no obligation to give training students employment. The per capita cost of instruction is not to exceed that in other large schools. The school has graduated eight young ladies during the two years of its existence, four of whom are now teaching in Somerville and one in New Bedford.

**STUDENT TEACHERS.**—At the present time nine student teachers are employed in the English High School, three in the drawing departments, one in the typewriting room, one in the science laboratories, one in the department of elocution, and three in the general work of the school. They are all graduates of college or technical schools and serve without pay under the direction of the head-master.

**THE PUBLIC LIBRARY.**—The English School has a working library of 750 volumes, but it draws constantly on the public library located in an adjoining building.

For three years there has been a constant use of the library by school children. Fourteen circulating libraries of fresh books are in use in the smaller buildings. Books are delivered and collected each week at the large grammar schools. As far as they can, teachers aid in the selection of books by children, and the Librarian and his assistants cheerfully render all the help in their power.

**EVENING SCHOOLS.**—An evening drawing school for freehand and mechanical work is open in the Latin schoolhouse from October to April, on Tuesday and Thursday evenings from



7.30 to 9.30. Full information regarding courses is given on subsequent pages. The principal is paid \$6 and assistants \$3 and \$4 an evening.

Elementary evening schools are open in the Prescott, Bell, and Highland buildings from October 1st on four evenings a week, from 7.30 to 9.30. The length of the term is dependent on the interest and attendance. The course of study followed is that prescribed by the statute. Principals receive \$3 and assistants \$1.50 and \$1.00 each evening.

TRUANTS.—The city employs one active truant officer who is paid \$1,000. His duties are prescribed in the rules found elsewhere. Truants are sent to the county truant school at North Chelmsford. There are now eight truants from Somerville in the school.

JANITORS.—These important officers are appointed by the City Council Committee on Public Property and are under the direction of the Superintendent of Public Buildings,—who is also superintendent of janitors,—and the school principal. The rules governing janitors and their salaries will be found elsewhere in this report.

SUPERVISION.—The Superintendent of Schools is the executive officer of the Board and upon him devolves the general management of the schools under its direction. He serves as the Secretary of the Board and Supply Agent. His salary is \$3,000, and he is allowed a clerk who receives \$650. His office is in the City Hall Annex and his hours are from 4.00 to 5.00 each school day, and from 8.00 to 10.00 on Saturday. His office is open from 8.00 to 12.00 and from 1.30 to 5.00 on school days and from 8.00 to 11.00 on Saturday.

The meetings of the School Board are held on the last Monday evening of each month except July, at eight o'clock.



## EVENING DRAWING SCHOOL REGULATIONS.

The following regulations, supplementary to those of the Board, have been adopted by the Committee on Evening Schools.

I. The school shall begin on the first Tuesday of October and shall continue fifty evenings.

II. No English High School pupil will be admitted to either department. No grammar school pupil will be admitted to the freehand department or to the mechanical department if he is under fourteen years of age.

III. No person not previously a member of the school will be admitted without a permit from the Superintendent of Schools, application for which in case of persons under eighteen years of age must be made by the parent or guardian.

IV. Every person entering the school must give evidence of intention to take the full course prescribed for the year. He must agree to be prompt and regular in his attendance and correct in deportment. Any student may be dropped after two consecutive unexcused absences.

V. No examination shall be required for admission to first year classes. Admission to higher classes will be either by examination or by certificate, showing the work of the previous class to have been done.

VI. The course in freehand drawing shall cover two years, and shall be as follows :—

## FIRST YEAR — GENERAL.

1. Plane geometry.  
Sheet A in plane geometry.
2. Historic ornament, Egyptian, Greek, Byzantine.  
Sheet B in historic ornament.
3. Decorative and constructive design, geometric surface, designs, borders, panels, crestings, vase forms. Conventionalization of plant forms.

Sheet C : Geometric designs.

Sheet D : Elementary design from a plant finished in half-tint.

4. Model and object drawing. Practical perspective. Light and shade and shading.

Sheet E : Model drawing in outline from models.

Sheet F : Model drawing in outline from models.

Sheet G : Model drawing in light and shade.

Sheet H : Model drawing in light and shade.

SECOND YEAR — GENERAL AND ELECTIVE.

1. Applied design.

Sheet A : Applied design for decoration of flat surface, ornament in relief, or an object and its decoration.

Sheet B : Applied design for any subject the student may elect.

2. Model and object drawing.

Sheet C : Drawing shaded with charcoal point from a group of geometric models and a vase or some common object.

Sheet D : Drawing shaded with charcoal point from a cast of historic ornament.

3. Details of human figure.

Sheet E : Drawing in outline from the cast of a mask, bust, or some detail of the human figure.

Sheet F : Drawing as in sheet E, but shaded with charcoal point.

Sheets G, H, and I : Students may elect from the following list of subjects :—Applied design, models, and objects, casts of historic ornament, casts of the human figure.

N. B.—Students may elect any seven of the nine sheets required.

Diplomas. Students who have taken the full course of two years and who have satisfactorily completed the following sheets, each in a single evening, will be entitled to a diploma.

Sheet 1. Drawing in light and shade from a group of models.

Sheet 2. Drawing from memory of an original applied design.

VII. The course of study for mechanical classes shall cover three years, and shall be as follows :—

#### FIRST YEAR.

First half of year.—For all pupils, geometry, projection, and developments sufficient to make a common working drawing intelligible and easy for construction.

Second half of year.—Elective.

Machine class. Six working drawings of machinery.

Architecture class. Six working drawings of houses and house detail, including simple plans and elevations.

#### SECOND YEAR.

First half of year.—For all pupils, geometry, projections, intersections, and developments advanced from first year, sufficient to make the most difficult drawings easily.

Second half of year.—Elective.

Machine class. Cams, gears, belts, etc.

Architecture class. Difficult plans and elevations, together with building details.

#### THIRD YEAR.—ENTIRELY ELECTIVE.

During this year the room is considered a draughting office, the instructor being the chief draughtsman and the students his assistants. Here entire machines and their various parts are designed, and working drawings made for the same. Houses are designed, and details for all parts accurately

made. The student is carefully watched and directed that his work may be correct in design and accurate in execution. At the end of this year, diligent and faithful students are qualified for all forms of the draughtsman's work.

Diplomas. Students who complete the three years' course satisfactorily will receive a diploma.

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#### SOMERVILLE TEACHERS' ASSOCIATION.

For several years the teachers of Somerville have maintained an organization whose purposes are set forth in the constitution which follows.

During the year the Association has held five meetings. Addresses have been given as follows:—

Feb. 9. "What the Pupils Taught the Teacher."

Supt. W. C. Bates, Fall River.

Mar. 31. "Child Study Applied."

Col. Francis W. Parker, Chicago.

Oct. 19. "The Personal Factor in Instruction."

Rev. C. G. Ames, D. D., Boston.

Dec. 14. "Old and New Ways of Treating History."

John Fiske, LL. D., Cambridge.

Feb. 24. A Social Meeting was held at Unitarian Hall.

Besides these meetings, fifty grade meetings of teachers have been called by the Superintendent during the year for the planning of music and drawing work, and to consider other matters connected with school methods.

The officers of the Association for 1899 are:—

George M. Wadsworth, *President*.

Charles G. Ham, *Vice-President*.

Frances W. Meldrum, *Secretary-Treasurer*.



## EXECUTIVE COMMITTEE.

|                                       |                    |
|---------------------------------------|--------------------|
| Winfred C. Akers.                     | Mary E. Northup.   |
| R. Adelaide Witham.                   | Nora F. Byard.     |
| Fred C. Baldwin.                      | Mina J. Wendell.   |
| John S. Emerson.                      | Ella H. Bucknam.   |
| Charles E. Brainard.                  | Gertrude Friend.   |
| Amelia I. Sears.                      | Blanche Seabury.   |
| Grace M. Clark.                       | Harry F. Hathaway. |
| G. A. Southworth, <i>ex officio</i> . |                    |

## CONSTITUTION OF THE SOMERVILLE TEACHERS' ASSOCIATION.

## I. NAME.

This Association shall be known as the SOMERVILLE TEACHERS' ASSOCIATION.

## II. OBJECTS.

The objects of this Association shall be to unite all teachers of Somerville into one organized body of professional workers for the welfare and progress of the public schools, to consider the aspects of education, to study its principles, to improve its methods, and to advance teaching as a profession.

## III. PRINCIPLES.

This Association holds:—

1. That the highest end of education is the formation of character.
2. That this end is to be attained through the complete and harmonious development of the human being in his three-fold nature, — physical, intellectual, and moral.
3. That intellectual development depends upon the conscious self-activity of the individual in the exercise of all the faculties of perception, thought, and expression.
4. That a system of education should furnish such instruction and training as shall stimulate all the energies of the child in their

natural order and at the proper time, by means of appliances, material, and subjects of instruction adapted to his varying powers.

5. That the child is of more importance than the school; that the natural growth of the child in his three-fold character should never be subordinated to the maintenance of an organization or machine.

6. That we all, being members of one body, and realizing the importance of each and every one to the whole system, hold it to be our duty to give to one another all the sympathy, aid, and co-operation in our power, and so far as the opportunities may permit, to familiarize ourselves with the aims, principles, and methods of the several departments of our school system, in so far as such knowledge may contribute to the general welfare and progress, and render our individual work more effective.

#### IV. OFFICERS.

1. The officers of the Association shall be a President, two Vice-Presidents, and a Secretary-Treasurer, who, with fifteen other members, shall constitute the Executive Committee. Each high school, each grammar school, and one of the smaller schools in each district shall be represented on this committee. The Superintendent of Schools is a member, *ex officio*, of this committee.

#### ELECTION.

2. The officers shall be elected annually, at the last regular meeting of the year.

#### DUTIES.

3. The duties of the President, Vice-Presidents, and Secretary-Treasurer shall be such as usually devolve upon these officers.

4. It shall be the duty of the Executive Committee to arrange the programmes of the meetings of the Association, and to change the date of any meeting, if necessary.

#### QUORUM.

Seven shall constitute a quorum of the Executive Committee for the transaction of business.

## BY-LAWS.

## MEETINGS.

1. The meetings of the Association shall be held in the English High School building, and shall take place on the second Wednesday in February, April, October and December. There may also be a fifth meeting of a social character at a time and place to be arranged by the Executive Committee.

2. The hour of the stated meetings shall be 3.30 P. M.

## DUES.

3. The annual dues shall be fifty cents, payable at the first meeting of the year. Assessments may be called by vote of the Association.

## AMENDMENTS.

4. Amendments may be made by a two-thirds vote of the Association.

## SOMERVILLE KINDERGARTEN ASSOCIATION.

The teachers in Somerville Kindergartens are united in an association, the object of which is to promote interest in the kindergarten on the part of parents and others, and to extend a knowledge of its principles. Several general public meetings have been held during the year. Mothers' meetings are held frequently at the local kindergarten rooms.

The officers of the association are : Gertrude Friend, President ; Caroline Boardman, Vice-President ; Maude Cushing, Secretary ; Josephine Kimball, Treasurer.

## APPENDIX II.





## CONTENTS OF APPENDIX II.

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### CONCERNING FINANCE.

#### No. OF TABLE.

1. Schedule of school property.
2. Cost of maintaining schools, 1898.
3. Cost per capita of maintaining schools, 1898.
4. Cost of maintaining schools for a series of years.
5. Cost per capita of maintaining schools for a series of years.
6. Amount spent annually for new school buildings, and for repairs for a series of years.

### CONCERNING PUPILS.

7. Population of Somerville for a series of years.
8. School census for a series of years, and by districts for 1898.
9. Attendance, etc., of the schools for 1898.
10. Statistics of the High Schools, for school year 1897-'98.
11. Separate statistics for grammar and primary schools, 1898.
12. Number of schools and pupils by districts, 1898.
13. Pupils by grades, December, 1898.
14. Admissions to first grade in April and September.
15. Number of grammar school graduates, 1898.
16. Truant statistics, 1898.
17. Evening school statistics, 1898.
18. Grammar school graduates for a series of years.
19. Attendance statistics of all schools for a series of years.
20. Statistics of the High School for a series of years.
21. Promotions, 1898.

## CONCERNING TEACHERS.

22. Resignations of teachers, 1898.
23. Teachers elected in 1898.
24. Transfers of teachers, as to schools.
25. Leave of absence of teachers.
26. Time lost by teachers, 1898.
27. Number of teachers employed for a series of years.

## MISCELLANEOUS.

28. Changes in text-books, 1898.
29. High school graduation exercises, 1898.
30. Grammar school graduation exercises, 1898.
31. Teachers in service in December, 1898.
32. School janitors.

TABLE 1. — SCHOOLHOUSES.

|    | NAME.         | No. of Classrooms. | Rooms not occupied. | Size of lot. | Valuation.  | When built. | No. of years used. | Enlargements.  |
|----|---------------|--------------------|---------------------|--------------|-------------|-------------|--------------------|--|
| 1  | Latin High .  | a4                 | .                   | . . . .      | \$ 56,000   | 1871        | 27                 |  |
| 2  | English High  | b15                | .                   | . . . .      | 141,579     | 1895        | 3                  |  |
| 3  | Prescott . .  | 12                 | .                   | 21,444       | 47,000      | 1867        | 31                 |  |
| 4  | Edgerly . .   | 12                 | .                   | 26,428       | 47,000      | 1871        | 27                 | { 4 rooms added 1882<br>" " 1892                               |
| 5  | Bell . . . .  | 12                 | .                   | 23,393       | 47,000      | 1874        | 24                 |  |
| 6  | Knapp . . .   | 13                 | .                   | 24,517       | 50,257      | 1889        | 9                  | 4 rooms added 1894   |
| 7  | Pope . . . .  | 12                 | .                   | 27,236       | 62,000      | 1891        | 7                  |  |
| 8  | Forster . .   | 13                 | .                   | 27,499       | 47,000      | 1866        | 32                 |  |
| 9  | Glines . . .  | 14                 | .                   | 28,800       | 73,661      | 1891        | 7                  | 5 rooms added 1896   |
| 10 | Morse . . .   | 12                 | .                   | 29,109       | 47,000      | 1869        | 29                 | 6 rooms added 1890   |
| 11 | Carr . . . .  | 15                 | .                   | 21,400       | 64,000      | 1898        | .                  |  |
| 12 | Highland .    | 12                 | .                   | 23,260       | 48,837      | 1880        | 18                 | 4 rooms added 1891   |
| 13 | Hodgkins .    | 12                 | .                   | 35,034       | 60,789      | 1896        | 2                  |  |
| 14 | Bingham . .   | 8                  | .                   | 21,017       | 37,907      | 1886        | 12                 | 4 rooms added 1894   |
| 15 | Prospect Hill | 6                  | .                   | 25,313       | 21,000      | 1848        | 50                 | 4 " 1865   |
| 16 | Bennett . .   | 4                  | .                   | 20,560       | 10,600      | 1868        | 30                 |  |
| 17 | Jackson . .   | 4                  | .                   | 11,212       | 8,600       | 1861        | 37                 |  |
| 18 | Davis . . .   | 4                  | .                   | 38,152       | 25,700      | 1884        | 14                 |  |
| 19 | Cummings .    | 4                  | .                   | 11,300       | 15,700      | 1884        | 14                 |  |
| 20 | Durell . . .  | 4                  | .                   | 13,883       | 16,879      | 1894        | 4                  |  |
| 21 | Harvard . .   | 1                  | .                   | 9,810        | 3,600       | 1851        | 47                 | { Moved from Cherry<br>street, 1867, from<br>Kent street, 1871 |
| 22 | Burns . . .   | 4                  | .                   | 16,080       | 15,700      | 1886        | 12                 |  |
| 23 | Cedar-Street  | 2                  | .                   | . . . .      | 800         | 1843        | 55                 | { Moved from<br>Broadway, 1868                                 |
| 24 | Lincoln . .   | 4                  | .                   | 17,662       | 14,700      | 1885        | 13                 |  |
| 25 | Hanscom . .   | 6                  | .                   | 12,756       | 44,532      | 1897        | 1                  |  |
| 26 | Franklin . .  | 4                  | 4                   | 33,017       | 15,600      | 1846        | 52                 | 2 rooms added 1862   |
|    | Total . .     | 213                | 4                   | . . . .      | \$1,023,441 | . .         | .                  |  |

a Six recitation rooms, a physical laboratory, three teachers' rooms.

b A chemical, a physical, a biological laboratory, a recitation room, a lecture hall, drawing room, two teachers' rooms, library and principal's office; four manual training rooms and lunch room in basement.



TABLE 2.—COST OF MAINTAINING SCHOOLS, 1898.

| SCHOOLS.         | Teachers.    | Care.       | Supplies.   | Total.       |
|------------------|--------------|-------------|-------------|--------------|
| Latin High . .   | \$12,141.00  | \$1,802.60  | \$ 824.10   | \$14,767.70  |
| English High .   | 25,818.30    | 3,525.76    | 2,875.19    | 32,219.25    |
| Prescott . . .   | 9,810.16     | 1,528.47    | 489.18      | 11,827.81    |
| Edgerly . . .    | 9,947.79     | 1,534.23    | 640.21      | 12,122.23    |
| Davis . . . .    | 2,654.64     | 491.07      | 157.25      | 3,302.96     |
| Bell . . . . .   | 10,143.42    | 1,713.34    | 658.65      | 12,515.41    |
| Cummings . .     | 2,767.14     | 487.16      | 149.33      | 3,403.63     |
| Knapp . . . .    | 10,739.38    | 1,770.97    | 569.61      | 13,079.96    |
| Pope . . . . .   | 9,888.17     | 1,453.44    | 617.39      | 11,959.00    |
| Prospect Hill .  | 4,199.91     | 638.53      | 292.39      | 5,130.83     |
| Bennett . . . .  | 2,566.20     | 317.69      | 107.35      | 2,991.24     |
| Jackson . . . .  | 3,044.76     | 356.69      | 160.50      | 3,561.95     |
| Forster . . . .  | 10,582.54    | 1,427.17    | 617.25      | 12,626.96    |
| Glines . . . . . | 11,682.36    | 1,696.37    | 638.65      | 14,017.38    |
| Bingham . . . .  | 6,103.84     | 878.48      | 427.39      | 7,409.71     |
| Morse . . . . .  | 10,918.42    | 1,496.57    | 657.90      | 13,072.89    |
| Carr . . . . .   | 4,903.12     | 645.09      | 2,531.15    | 8,079.36     |
| Franklin . . . . | 3,001.01     | 181.87      | 81.99       | 3,264.87     |
| Durell . . . . . | 2,925.08     | 753.84      | 185.93      | 3,864.85     |
| Harvard . . . .  | 719.60       | 158.47      | 28.18       | 906.25       |
| Burns . . . . .  | 3,168.04     | 577.67      | 170.38      | 3,916.09     |
| Cedar-St. . . .  | 1,324.51     | 183.74      | 55.63       | 1,563.88     |
| Highland . . . . | 10,122.92    | 1,516.26    | 618.96      | 12,258.14    |
| Lincoln . . . .  | 2,642.46     | 769.88      | 193.51      | 3,605.85     |
| Hodgkins . . . . | 10,493.16    | 1,563.70    | 805.80      | 12,862.66    |
| Hanscom . . . .  | 4,209.28     | 864.19      | 307.29      | 5,380.76     |
| Evening . . . .  | 2,726.50     | 891.12      | 124.43      | 3,752.05     |
| Totals . . . .   | \$189,243.71 | \$29,234.37 | \$14,985.59 | \$233,463.67 |

TABLE 3.—PER CAPITA COST OF MAINTAINING  
SCHOOLS, 1898.

| SCHOOLS.                      | Teachers. | Care.  | Supplies. | Total.  |
|-------------------------------|-----------|--------|-----------|---------|
| Latin High . . . . .          | \$44.80   | \$6.65 | \$3.04    | \$54.49 |
| English High . . . . .        | 45.85     | 6.26   | 5.11      | 57.22   |
| Prescott . . . . .            | 19.98     | 3.11   | 1.00      | 24.09   |
| Edgerly . . . . .             | 20.06     | 3.09   | 1.29      | 24.44   |
| Davis . . . . .               | 16.59     | 3.07   | .98       | 20.64   |
| Bell . . . . .                | 17.61     | 2.97   | 1.14      | 21.72   |
| Cummings . . . . .            | 15.20     | 2.67   | .82       | 18.69   |
| Knapp . . . . .               | 17.13     | 2.82   | .91       | 20.86   |
| Pope . . . . .                | 19.62     | 2.88   | 1.22      | 23.72   |
| Prospect Hill . . . . .       | 18.10     | 2.75   | 1.26      | 22.11   |
| Bennett . . . . .             | 17.95     | 2.22   | .75       | 20.92   |
| Jackson . . . . .             | 18.57     | 2.17   | .98       | 21.72   |
| Forster . . . . .             | 18.15     | 2.45   | 1.06      | 21.66   |
| Glines . . . . .              | 18.54     | 2.69   | 1.01      | 22.24   |
| Bingham . . . . .             | 16.77     | 2.41   | 1.17      | 20.35   |
| Morse . . . . .               | 18.05     | 2.47   | 1.09      | 21.61   |
| Carr, M. W. . . . .           | 17.70     | 2.33   | 3.65      | 23.68   |
| Franklin . . . . .            | 17.76     | 1.08   | .49       | 19.33   |
| Durell . . . . .              | 14.27     | 3.67   | .91       | 18.85   |
| Harvard . . . . .             | 16.35     | 3.60   | .64       | 20.59   |
| Burns . . . . .               | 14.21     | 2.59   | .76       | 17.56   |
| Cedar-St. . . . .             | 22.84     | 3.17   | .96       | 26.97   |
| Highland . . . . .            | 18.54     | 2.78   | 1.13      | 22.45   |
| Lincoln . . . . .             | 15.64     | 4.56   | 1.14      | 21.34   |
| Hodgkins . . . . .            | 18.94     | 2.82   | 1.45      | 23.21   |
| Hanscom . . . . .             | 16.90     | 3.58   | 1.23      | 21.71   |
| High Schools . . . . .        | \$45.51   | \$6.39 | \$4.44    | \$56.34 |
| Grammar and Primary . . . . . | 18.34     | 2.90   | 1.37      | 22.61   |
| All Schools . . . . .         | 20.83     | 3.22   | 1.65      | 25.70   |

TABLE 4.—ANNUAL COST OF MAINTAINING THE SCHOOLS

FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

| YEAR. | Average Membership. | Instruction and Supervision. | Water and Light. | Heating. | Janitors. | School Supplies. | Total.    |
|-------|---------------------|------------------------------|------------------|----------|-----------|------------------|-----------|
| 1885  | 4,904               | \$ 79,506                    | \$ 728           | \$ 4,965 | \$ 4,000  | \$ 8,449         | \$ 97,648 |
| 1886  | 4,985               | 83,542                       | 624              | 4,929    | 4,194     | 6,676            | 99,865    |
| 1887  | 5,198               | 86,713                       | 765              | 6,475    | 5,084     | 7,526            | 106,563   |
| 1888  | 5,488               | 88,967                       | 953              | 7,121    | 5,892     | 7,421            | 110,354   |
| 1889  | 5,956               | 96,466                       | 805              | 6,081    | 6,448     | 9,903            | 119,703   |
| 1890  | 6,486               | 104,184                      | 1,004            | 5,586    | 7,539     | 10,371           | 128,684   |
| 1891  | 6,502               | 114,066                      | 1,047            | 8,032    | 8,544     | 13,899           | 145,588   |
| 1892  | 7,035               | 124,232                      | 1,064            | 7,148    | 9,794     | 12,944           | 155,183   |
| 1893  | 7,217               | 128,720                      | 1,014            | 8,312    | 10,160    | 10,137           | 158,333   |
| 1894  | 7,212               | 132,919                      | 958              | 9,673    | 10,686    | 10,919           | 165,155   |
| 1895  | 7,617               | 144,113                      | 1,398            | 8,796    | 11,581    | 15,063           | 180,951   |
| 1896  | 8,077               | 161,551                      | 1,469            | 9,962    | 14,160    | 17,601           | 204,743   |
| 1897  | 8,589               | 180,222                      | 1,920            | 10,065   | 16,251    | 14,815           | 223,273   |
| 1898  | 9,085               | 189,244                      | 2,075            | 9,767    | 17,393    | 14,986           | 233,465   |

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.

[Based on the average membership.]

| YEAR. | Instruction and Supervision. | Janitors, Water, Heat and Light. | School Supply Expenses. | Total.  | Assessors' Valuation of City. | Ratio of cost of School Maintenance to Vacation. |
|-------|------------------------------|----------------------------------|-------------------------|---------|-------------------------------|--|
| 1885  | \$16.21                      | \$1.98                           | \$1.72                  | \$19.91 | \$24,878,400                  | .00392   |
| 1886  | 16.76                        | 1.94                             | 1.34                    | 20.03   | 26,003,200                    | .00384   |
| 1887  | 16.68                        | 2.37                             | 1.45                    | 20.50   | 27,469,300                    | .00388   |
| 1888  | 16.21                        | 2.54                             | 1.36                    | 20.11   | 28,756,400                    | .00384   |
| 1889  | 16.20                        | 2.24                             | 1.66                    | 20.10   | 30,004,600                    | .00399   |
| 1890  | 16.06                        | 2.18                             | 1.60                    | 19.84   | 32,557,500                    | .00395   |
| 1891  | 17.54                        | 2.71                             | 2.14                    | 22.39   | 36,843,400                    | .00395   |
| 1892  | 17.66                        | 2.56                             | 1.84                    | 22.06   | 38,093,100                    | .00407   |
| 1893  | 17.84                        | 2.70                             | 1.40                    | 21.94   | 41,773,600                    | .00379   |
| 1894  | 18.43                        | 2.96                             | 1.51                    | 22.90   | 44,142,900                    | .00374   |
| 1895  | 18.92                        | 2.86                             | 1.98                    | 23.76   | 46,506,300                    | .00390   |
| 1896  | 20.00                        | 3.17                             | 2.18                    | 25.35   | 49,013,050                    | .00418   |
| 1897  | 20.98                        | 3.29                             | 1.73                    | 26.00   | 50,173,775                    | .00444   |
| 1898  | 20.83                        | 3.22                             | 1.65                    | 25.70   | 50,739,700                    | .00460   |

TABLE 6. — AMOUNT SPENT ANNUALLY FOR ALL  
SCHOOL PURPOSES  
FOR A SERIES OF YEARS.

| YEAR. | For New<br>Schoolhouses. | For Repairs and<br>Permanent<br>Improvements. | For Maintaining<br>Schools. | Amount Spent<br>for all<br>School Purposes. |
|-------|--------------------------|---|-----------------------------|---|
| 1885  | \$19,185                 | \$ 7,052                                      | \$ 97,648                   | \$113,885                                   |
| 1886  | 15,515                   | 8,706   | 99,865                      | 114,086                                     |
| 1887  | 14,839                   | 13,636  | 106,563                     | 135,038                                     |
| 1888  | 4,996                    | 13,994  | 110,354                     | 129,344                                     |
| 1889  | 20,167                   | 14,225  | 119,703                     | 154,095                                     |
| 1890  | 75,775                   | 19,168  | 128,684                     | 223,627                                     |
| 1891  | 84,902                   | 14,847  | 145,588                     | 245,337                                     |
| 1892  | 12,679                   | 17,734  | 155,183                     | 176,001                                     |
| 1893  | 22,809                   | 12,440  | 158,333                     | 193,582                                     |
| 1894  | 82,206                   | 44,764  | 165,155                     | 292,125                                     |
| 1895  | 87,680                   | 15,651  | 180,951                     | 284,282                                     |
| 1896  | 61,016                   | 33,240  | 204,743                     | 298,999                                     |
| 1897  | 46,621                   | 20,507  | 223,273                     | 290,400                                     |
| 1898  | 49,983                   | 21,274  | 233,465                     | 304,722                                     |

TABLE 7. — POPULATION OF SOMERVILLE.

|                |        |                |        |
|----------------|--------|----------------|--------|
| 1842 . . . . . | 1,013  | 1885 . . . . . | 29,992 |
| 1850 . . . . . | 3,540  | 1890 . . . . . | 40,117 |
| 1860 . . . . . | 8,025  | 1895 . . . . . | 52,200 |
| 1865 . . . . . | 9,366  | 1896 . . . . . | 54,400 |
| 1870 . . . . . | 14,693 | 1897 . . . . . | 56,000 |
| 1875 . . . . . | 21,594 | 1898 . . . . . | 57,500 |
| 1880 . . . . . | 24,985 |                |        |



TABLE 8.—SCHOOL CENSUS.

Number of children in the city between 5 and 15 years of age, as reported by the truant officer, on the first of May.

|                |       |                |       |
|----------------|-------|----------------|-------|
| 1885 . . . . . | 5,608 | 1892 . . . . . | 7,191 |
| 1886 . . . . . | 5,296 | 1893 . . . . . | 7,601 |
| 1887 . . . . . | 5,722 | 1894 . . . . . | 8,040 |
| 1888 . . . . . | 5,959 | 1895 . . . . . | 8,510 |
| 1889 . . . . . | 6,135 | 1896 . . . . . | 8,885 |
| 1890 . . . . . | 6,469 | 1897 . . . . . | 9,113 |
| 1891 . . . . . | 6,800 | 1898 . . . . . | 9,845 |

BY DISTRICTS FOR 1898.

| DISTRICT.             | 1897. | 1898. | Increase. | Increase<br>per cent. |
|-----------------------|-------|-------|-----------|-----------------------|
| East Somerville . . . | 1,540 | 1,565 | 25        | 1.62                  |
| Prospect Hill . . . . | 3,186 | 3,381 | 195       | 6.12                  |
| Winter Hill . . . . . | 1,487 | 1,607 | 120       | 8.07                  |
| Spring Hill . . . . . | 1,501 | 1,802 | 301       | 20.05                 |
| West Somerville . . . | 1,399 | 1,490 | 91        | 6.50                  |
| Total . . . . .       | 9,113 | 9,845 | 732       | 8.03                  |
| Between 8 and 14 . .  | 5,449 | 5,793 | 344       | 6.31                  |

TABLE 9.—ATTENDANCE OF THE PUBLIC SCHOOLS,  
1898.

| Rooms Occupied<br>in December. | SCHOOLS.        | Annual<br>Enrollment. | Average<br>Membership. | Average<br>Attendance. | Per cent. of<br>Attendance. | No. cases of<br>Tardiness. | No. cases of<br>Dismissal. | No. cases of<br>Punishment. | No. Attending<br>in January. | No. Attending<br>in December. | Average No. to<br>Classroom<br>in December. | No. over 15<br>Years of Age. | No. Between<br>8 and 14 Years<br>of Age. |
|--------------------------------|-----------------|-----------------------|------------------------|------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|-------------------------------|---|------------------------------|--|
| 4                              | Latin . . . .   | 289                   | 271                    | 262                    | 96.8                        | 123                        | 115                        | 0                           | 277                          | 271                           | . .   | 250                          | 7  |
| 15                             | English . . .   | 633                   | 563                    | 539                    | 95.8                        | 148                        | 72                         | 0                           | 571                          | 600                           | 37.5  | 580                          | 10                                       |
| 12                             | Prescott . . .  | 638                   | 491                    | 473                    | 96.3                        | 123                        | 49                         | 22                          | 494                          | 535                           | 44.1  | 40                           | 416                                      |
| 12                             | Edgerly . . .   | 583                   | 496                    | 478                    | 96.2                        | 80                         | 36                         | 23                          | 508                          | 532                           | 44.3  | 34                           | 408                                      |
| 4                              | Davis . . . .   | 229                   | 160                    | 153                    | 95.3                        | 44                         | 22                         | 21                          | 164                          | 170                           | 42.5  | . .                          | 116                                      |
| 12                             | Bell . . . . .  | 718                   | 576                    | 558                    | 96.9                        | 98                         | 140                        | 10                          | 631                          | 553                           | 46.0  | 55                           | 481                                      |
| 4                              | Cummings . .    | 250                   | 182                    | 175                    | 95.7                        | 87                         | 66                         | 7                           | 188                          | 176                           | 44.0  | . .                          | 114                                      |
| 13                             | Knapp . . . .   | 890                   | 627                    | 602                    | 96.0                        | 226                        | 94                         | 8                           | 659                          | 606                           | 46.6  | 39                           | 515                                      |
| 12                             | Pope . . . . .  | 611                   | 504                    | 485                    | 96.3                        | 206                        | 54                         | 53                          | 493                          | 559                           | 48.0  | 48                           | 410                                      |
| 6                              | Prospect Hill . | 310                   | 232                    | 212                    | 93.0                        | 125                        | 25                         | 2                           | 218                          | 248                           | 41.1  | 1                            | 108                                      |
| 4                              | Bennett . . .   | 182                   | 143                    | 132                    | 91.9                        | 112                        | 18                         | 6                           | 130                          | 162                           | 40.5  | . .                          | 76                                       |
| 4                              | Jackson . . .   | 241                   | 164                    | 145                    | 94.0                        | 117                        | 15                         | 15                          | 163                          | 158                           | 39.5  | 1                            | 83                                       |
| 13                             | Forster . . .   | 719                   | 583                    | 555                    | 95.2                        | 60                         | 15                         | 12                          | 578                          | 619                           | 47.6  | 43                           | 435                                      |
| 14                             | Glines . . . .  | 823                   | 630                    | 594                    | 95.0                        | 93                         | 15                         | 10                          | 645                          | 665                           | 47.5  | 40                           | 478                                      |
| 8                              | Bingham . . .   | 469                   | 364                    | 346                    | 95.0                        | 66                         | 28                         | 14                          | 341                          | 405                           | 50.6  | . .                          | 306                                      |
| 12                             | Morse . . . .   | 780                   | 605                    | 572                    | 95.0                        | 180                        | 137                        | 9                           | 632                          | 597                           | 49.0  | 50                           | 478                                      |
| 15                             | *Carr . . . . . | 111                   | 277                    | 262                    | 94.5                        | 114                        | 50                         | 25                          | . .                          | 712                           | 47.5  | 3                            | 47                                       |
| 4                              | Durell . . . .  | 289                   | 205                    | 192                    | 93.4                        | 101                        | 41                         | 4                           | 221                          | 183                           | 45.7  | . .                          | 197                                      |
| 1                              | Harvard . . .   | 82                    | 44                     | 40                     | 91.9                        | 50                         | 11                         | 0                           | 42                           | 37                            | 37.0  | . .                          | 12                                       |
| 4                              | Burns . . . .   | 328                   | 223                    | 207                    | 93.0                        | 134                        | 55                         | 3                           | 233                          | 200                           | 50.0  | . .                          | 189                                      |
| 2                              | Cedar-Street .  | 78                    | 58                     | 54                     | 92.2                        | 85                         | 8                          | 0                           | 58                           | 62                            | 31.0  | . .                          | 32                                       |
| 12                             | Highland . .    | 680                   | 546                    | 524                    | 96.0                        | 92                         | 122                        | 4                           | 549                          | 579                           | 50.0  | 51                           | 357                                      |
| 4                              | Lincoln . . .   | 233                   | 169                    | 160                    | 95.0                        | 39                         | 32                         | 2                           | 166                          | 176                           | 44.0  | . .                          | 151                                      |
| 12                             | Hodgkins . .    | 722                   | 554                    | 526                    | 96.0                        | 91                         | 32                         | 6                           | 557                          | 576                           | 48.0  | 37                           | 378                                      |
| 6                              | Hanscom . .     | 368                   | 249                    | 233                    | 94.2                        | 81                         | 29                         | 0                           | 254                          | 256                           | 42.5  | . .                          | 139                                      |
| 0                              | †Franklin . .   | 321                   | 169                    | 157                    | 93.2                        | 266                        | 40                         | 0                           | 279                          | . .                           | . .   | . .                          | . .                                      |
| 209                            | Total . . . .   | 11,577                | 9,085                  | 8,636                  | 95.1                        | 2,941                      | 1,321                      | 256                         | 9,051                        | 9,637                         | 46.3  | 1,272                        | 5,948                                    |
|                                | Total 1897 . .  | 11,293                | 8,589                  | 8,144                  | 94.8                        | 2,486                      | 1,410                      | 204                         | 8,671                        | 9,078                         | 45.9  | 1,214                        | 5,397                                    |

\* 4 months.

† 6 months.

TABLE 10.—STATISTICS FOR HIGH SCHOOLS FOR  
SCHOOL YEAR,  
SEPTEMBER 7, 1897, TO JUNE 30, 1898.

|  | Latin.             | English.            | Both.                |
|--|--------------------|---------------------|----------------------|
| Number of days school kept . . . . .       | 184                | 183                 |                      |
| Number enrolled . . . . .                  | 283                | 601                 | 884                  |
| Average number belonging . . . . .         | 273                | 558                 | 831                  |
| Average daily attendance . . . . .         | 264.8              | 535                 | 799.8                |
| Per cent. of attendance . . . . .          | 97                 | 95.9                | 96.1                 |
| Tardiness . . . . .                        | 120                | 130                 | 250                  |
| Dismissals . . . . .                       | 111                | 80                  | 191                  |
| In Class I. September . . . . .            | 86                 | 224                 | 310                  |
| June . . . . .                             | 86                 | 172                 | 258                  |
| Per cent. of loss . . . . .                | 0                  | 23.2                | 16.7                 |
| In Class II. September . . . . .           | 66                 | 169                 | 235                  |
| June . . . . .                             | 64                 | 141                 | 205                  |
| Per cent. of loss . . . . .                | 3.3                | 16.5                | 12.7                 |
| In Class III. September . . . . .          | 60                 | 121                 | 181                  |
| June . . . . .                             | 57                 | 108                 | 165                  |
| Per cent. of loss . . . . .                | 5                  | 10.7                | 8.8                  |
| In Class IV. September . . . . .           | 63                 | 82                  | 145                  |
| June . . . . .                             | 60                 | 77                  | 137                  |
| Per cent. of loss . . . . .                | 4.8                | 6                   | 5.5                  |
| Special Students . . . . .                 |                    | 15                  | 15                   |
| Total. September . . . . .                 | 275                | 611                 | 886                  |
| June . . . . .                             | 267                | 512                 | 779                  |
| Per cent. of loss . . . . .                | 2.9                | *16.4               | 12                   |
| Number graduates, male . . . . .           | 16                 | 20                  | 36                   |
| Number graduates, female . . . . .         | 39                 | 55                  | 94                   |
| Total . . . . .                            | 55                 | 75                  | 130                  |
| Average age, male . . . . .                | { 18 yrs.<br>7 mo. | { 19 yrs.<br>3 mos. | { 18 yrs.<br>11 mos. |
| Average age, female . . . . .              | { 18 yrs.<br>9 mo. | 19 yrs.             | { 18 yrs.<br>10 mos. |
| Number of graduates entering college . .   | 27                 | 3                   | 30                   |
| Number of graduates entering M. I. T. .    | 0                  | 2                   | 2                    |
| No. of graduates entering normal schools . | 2                  | 7                   | 9                    |
| Cost of instruction . . . . .              | \$11,921.00        | \$24,843.05         | \$36,764.05          |
| Cost of supplies and equipment . . . . .   | 789.46             | 3,172.16            | 3,961.62             |
| Total cost . . . . .                       | 12,710.46          | 28,015.21           | 40,725.67            |
| Cost per capita of instruction . . . . .   | 43.66              | 44.52               | 44.24                |
| Cost per capita of supplies and equipment  | 2.89               | 5.68                | 4.77                 |
| Total cost per capita . . . . .            | 46.55              | 50.20               | 49.01                |

\*Not including Special Students.

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

|                                   | High<br>Schools. | Grammar<br>and Primary<br>Schools. | Kinder-<br>gartens. | Total. |
|-----------------------------------|------------------|------------------------------------|---------------------|--------|
| Annual Enrollment . . . . .       | 922              | 10,162                             | 493                 | 11,577 |
| Average Membership . . . . .      | 834              | 8,029                              | 222                 | 9,085  |
| Average Attendance . . . . .      | 801              | 7,650                              | 185                 | 8,636  |
| Per cent. of Attendance . . . . . | 96.04            | 95.28                              | 83.33               | 95.1   |
| Number cases of Tardiness . . .   | 271              | 2,670                              | . .                 | 2,941  |
| Number cases of Dismissal . . .   | 187              | 1,134                              | . .                 | 1,321  |
| Number cases of Punishment . .    | . .              | 256                                | . .                 | 256    |
| Membership, January, 1898 . . .   | 848              | 7,988                              | 215                 | 9,051  |
| Membership, December, 1898 . .    | 871              | 8,519                              | 247                 | 9,637  |
| Average number to a teacher . .   | 27.2             | 46.3                               | 24.7                | 46.3   |

TABLE 12.—NUMBER OF SCHOOLS AND PUPILS BY DISTRICTS, DECEMBER, 1898.

| DISTRICT.           | No.<br>of<br>Schools. | Number<br>of<br>Class-<br>rooms. | Number of<br>Teachers. |          |          | Number<br>of<br>Pupils. | Number<br>in<br>Ninth<br>Grade. | Average<br>Number<br>to a<br>Room. |
|---------------------|-----------------------|----------------------------------|------------------------|----------|----------|-------------------------|---------------------------------|------------------------------------|
|                     |                       |                                  | <i>a</i>               | <i>b</i> | <i>c</i> |                         |                                 |                                    |
| East Somerville . . | 4                     | 34                               | 2                      | 34       | 1        | 1,493                   | 82                              | 43.9                               |
| Prospect Hill . .   | 7                     | 55                               | 3                      | 55       | 2        | 2,462                   | 133                             | 44.8                               |
| Winter Hill . . .   | 3                     | 35                               | 2                      | 35       | 3        | 1,689                   | 104                             | 48.2                               |
| Spring Hill . . .   | 4                     | 32                               | 2                      | 31       | 7        | 1,529                   | 88                              | 47.7                               |
| West Somerville .   | 5                     | 34                               | 2                      | 34       | 1        | 1,593                   | 88                              | 48.3                               |
| Total . . . . .     | 23                    | 190                              | 11                     | 189      | 14       | 8,766                   | 495                             | 46.3                               |

*a.* Supervising principals.*b.* Regular teachers.*c.* Salaried assistants.



TABLE 13.—PUPILS BY GRADES, 1898.

| SCHOOL.                                     | GRADE.                          | TEACHERS.         |          |             | PUPILS. |        |        | Average Age. |         | Single Promotions,<br>June, 1898. | Double Promotions<br>in 1898. | Never in School<br>Before. | From Other City<br>Schools. | From Other<br>Schools. |     |
|---|---------------------------------|-------------------|----------|-------------|---------|--------|--------|--------------|---------|-----------------------------------|-------------------------------|----------------------------|-----------------------------|------------------------|-----|
|   |                                 | Men.              | Women.   |             | Boys.   | Girls. | Total. | Years.       | Months. |                                   |                               |                            |                             |                        |     |
|   |                                 |                   | Regular. | Assistants. |         |        |        |              |         |                                   |                               |                            |                             |                        |     |
| Latin                                       | Thirteenth . . . . .            | ..                | ..       | ..          | 29      | 28     | 57     | 17           | 11      | ..                                | ..                            | ..                         | ..                          | ..                     |     |
|   | Twelfth . . . . .               | ..                | ..       | ..          | 24      | 33     | 57     | 16           | 11      | ..                                | ..                            | ..                         | ..                          | 2                      |     |
|   | Eleventh . . . . .              | ..                | ..       | ..          | 32      | 48     | 80     | 16           | 4       | ..                                | ..                            | ..                         | ..                          | 4                      |     |
|   | Tenth . . . . .                 | ..                | ..       | ..          | 26      | 51     | 77     | 15           | 3       | ..                                | ..                            | ..                         | 72                          | 6                      |     |
|   | Total . . . . .                 | 3                 | 6        | ..          | 111     | 160    | 271    | ..           | ..      | ..                                | ..                            | ..                         | 72                          | 12                     |     |
| English                                     | Special . . . . .               | ..                | ..       | ..          | 1       | 12     | 13     | 19           | 6.5     | ..                                | ..                            | ..                         | ..                          | ..                     |     |
|   | Thirteenth . . . . .            | ..                | ..       | ..          | 36      | 62     | 98     | 18           | 4.5     | ..                                | ..                            | ..                         | 3                           | 5                      |     |
|   | Twelfth . . . . .               | ..                | ..       | ..          | 34      | 85     | 119    | 17           | 7.5     | ..                                | ..                            | ..                         | 6                           | 3                      |     |
|   | Eleventh . . . . .              | ..                | ..       | ..          | 58      | 95     | 153    | 16           | 5.4     | ..                                | ..                            | ..                         | 1                           | 15                     |     |
|   | Tenth . . . . .                 | ..                | ..       | ..          | 91      | 126    | 217    | 15           | 8.3     | ..                                | ..                            | ..                         | 211                         | 21                     |     |
|   | Total . . . . .                 | 8                 | 15       | ..          | 220     | 380    | 600    | ..           | ..      | ..                                | ..                            | ..                         | 221                         | 44                     |     |
|   | Total High<br>School . . . . .  | 11                | 21       | ..          | 331     | 540    | 871    | ..           | ..      | ..                                | ..                            | ..                         | 293                         | 56                     |     |
|   | Grammar                         | Ninth . . . . .   | 9        | 13          | ..      | 219    | 276    | 495          | 14      | 11                                | 368                           | ..                         | ..                          | 89                     | 21  |
|   |                                 | Eighth . . . . .  | ..       | 12          | ..      | 261    | 292    | 553          | 14      | 0.5                               | 455                           | ..                         | ..                          | 80                     | 48  |
|   |                                 | Seventh . . . . . | ..       | 17          | ..      | 335    | 388    | 723          | 13      | 1.8                               | 514                           | 34                         | ..                          | 113                    | 68  |
| Sixth . . . . .                             |                                 | 1                 | 17       | 1           | 382     | 442    | 824    | 12           | 4       | 592                               | 7                             | ..                         | 229                         | 82                     |     |
| Fifth . . . . .                             |                                 | ..                | 21       | ..          | 509     | 441    | 950    | 11           | 3.5     | 700                               | 2                             | ..                         | 376                         | 128                    |     |
|   | Fourth . . . . .                | ..                | 22       | ..          | 537     | 499    | 1,036  | 10           | 0.9     | 789                               | 12                            | ..                         | 230                         | 139                    |     |
|   | Total Gram-<br>mar . . . . .    | 10                | 102      | 1           | 2,243   | 2,338  | 4,581  | ..           | ..      | 3,418                             | 55                            | ..                         | 1,117                       | 486                    |     |
|   | Primary                         | Third . . . . .   | ..       | 23          | ..      | 547    | 527    | 1,074        | 8       | 10.6                              | 843                           | 4                          | ..                          | 200                    | 178 |
|   |                                 | Second . . . . .  | ..       | 25          | 2       | 586    | 601    | 1,187        | 7       | 8                                 | 930                           | 27                         | 1                           | 254                    | 187 |
|   |                                 | First . . . . .   | ..       | 34          | 6       | 902    | 775    | 1,677        | 6       | 2.4                               | 985                           | 26                         | 1,068                       | 334                    | 237 |
| Total Pri-<br>mary . . . . .                |                                 | ..                | 82       | 8           | 2,035   | 1,903  | 3,938  | ..           | ..      | 2,758                             | 57                            | 1,069                      | 788                         | 602                    |     |
| Total Gram-<br>mar and<br>Primary . . . . . |                                 | 10                | 184      | 9           | 4,278   | 4,241  | 8,519  | ..           | ..      | 6,176                             | 112                           | ..                         | 1,905                       | 1,088                  |     |
|   | Kindergarten . . . . .          | ..                | 5        | 5           | 127     | 120    | 247    | 4            | 5.8     | 125                               | ..                            | 271                        | 1                           | 5                      |     |
|   | Special Teach-<br>ers . . . . . | 2                 | 4        | 1           | ..      | ..     | ..     | ..           | ..      | ..                                | ..                            | ..                         | ..                          | ..                     |     |
|   | Grand Totals                    | 23                | 214      | 15          | 4,736   | 4,901  | 9,637  | ..           | ..      | 6,301                             | 112                           | 1,340                      | 2,199                       | 1,149                  |     |

TABLE 14. — ADMISSIONS TO FIRST GRADE IN APRIL  
AND SEPTEMBER, 1898.

| SCHOOLS.                | April. | September. | Under Five in<br>September. |
|-------------------------|--------|------------|-----------------------------|
| Prescott . . . . .      | 22     | 37         | 9                           |
| Edgerly . . . . .       | 13     | 26         | 2                           |
| Bell . . . . .          | 14     | 27         | 1                           |
| Knapp . . . . .         | 46     | 59         | 17                          |
| Pope . . . . .          | 15     | 22         | 1                           |
| Forster . . . . .       | 27     | 42         | 9                           |
| Glines . . . . .        | 31     | 65         | 4                           |
| Morse . . . . .         | 29     | 58         | 11                          |
| Carr . . . . .          | . .    | 49         | 3                           |
| Highland . . . . .      | 17     | 43         | 4                           |
| Hodgkins . . . . .      | 23     | 51         | 6                           |
| Bingham . . . . .       | 32     | 53         | 6                           |
| Davis . . . . .         | 14     | 26         | 4                           |
| Cummings . . . . .      | 17     | 33         | 9                           |
| Bennett . . . . .       | 20     | 27         | 4                           |
| Jackson . . . . .       | 4      | 22         | . .                         |
| Franklin . . . . .      | 16     | . .        | . .                         |
| Durell . . . . .        | 15     | 25         | 2                           |
| Harvard . . . . .       | 17     | 15         | 6                           |
| Burns . . . . .         | 35     | 31         | 2                           |
| Cedar-Street . . . . .  | 9      | 11         | 1                           |
| Prospect Hill . . . . . | 11     | 17         | . .                         |
| Lincoln . . . . .       | 14     | 46         | 6                           |
| Hanscom . . . . .       | 21     | 45         | 12                          |
| Total . . . . .         | 462    | 830        | 119                         |

Average age of April children, 5 years 5.8 months.

Average age of September children, 5 years 6.1 months.

Of all admitted during 1898, 5 years 5.9 months.

TABLE 15.—GRAMMAR SCHOOL GRADUATES, 1898.

| SCHOOLS.              | Number receiving Diplomas. | Number Certificated for High School. |                  | Number entering Latin School. |                  | Number entering English School. |                  | Total.         |                  |
|-----------------------|----------------------------|--------------------------------------|------------------|-------------------------------|------------------|---------------------------------|------------------|----------------|------------------|
|                       |                            | Conditionally.                       | Unconditionally. | Conditionally.                | Unconditionally. | Conditionally.                  | Unconditionally. | Conditionally. | Unconditionally. |
| Prescott . . . . .    | 36                         | 1                                    | 31               | . .                           | 4                | 1                               | 18               | 1              | 22               |
| Edgerly . . . . .     | 50                         | 5                                    | 45               | . .                           | 1                | . .                             | 31               | . .            | 32               |
| Pope . . . . .        | 36                         | 8                                    | 22               | . .                           | 2                | 3                               | 15               | 3              | 17               |
| Bell . . . . .        | 43                         | . .                                  | 43               | . .                           | 22               | . .                             | 18               | . .            | 40               |
| Knapp . . . . .       | 28                         | 4                                    | 24               | . .                           | 8                | 3                               | 8                | 3              | 16               |
| Forster . . . . .     | 31                         | 2                                    | 26               | 1                             | 4                | . .                             | 18               | 1              | 22               |
| Glines . . . . .      | 35                         | 8                                    | 27               | 1                             | 1                | 3                               | 19               | 4              | 20               |
| Morse . . . . .       | 46                         | 6                                    | 35               | 1                             | 13               | 4                               | 19               | 5              | 32               |
| Highland . . . . .    | 36                         | 3                                    | 31               | . .                           | 7                | 6                               | 18               | 6              | 25               |
| Hodgkins . . . . .    | 41                         | 3                                    | 36               | 1                             | 7                | 2                               | 22               | 3              | 29               |
| Private . . . . .     | . .                        | . .                                  | . .              | . .                           | . .              | 6                               | 2                | 6              | 2                |
| Out of town . . . . . | . .                        | . .                                  | . .              | . .                           | 5                | 12                              | 2                | 12             | 7                |
| Total . . . . .       | 382                        | 40                                   | 320              | 4                             | 74               | 40                              | 190              | 44             | 264              |

TABLE 16.—TRUANT STATISTICS.

|  | 1896. | 1897. | 1898. |
|--|-------|-------|-------|
| Number of visits of officer to schools . . . . . | 364   | 427   | 415   |
| Absences investigated . . . . .                  | 312   | 342   | 411   |
| Cases of truancy . . . . .                       | 116   | 110   | 135   |
| Truants arrested . . . . .                       | 16    | 10    | 7     |
| Sent to Truant School . . . . .                  | 8     | 8     | 6     |
| Number released during year . . . . .            | . .   | . .   | 8     |
| Number now in Truant School . . . . .            | . .   | . .   | 9     |

TABLE 17. — ATTENDANCE IN EVENING SCHOOLS,  
SEASON OF 1897-1898.

|                                       | Prescott | Bell.  | Forster. | Highland. | Total.   |
|---------------------------------------|----------|--------|----------|-----------|----------|
| Enrolled . . . . . Male               | 52       | 270    | 31       | 55        | 408      |
| Female                                | 18       | 67     | 26       | 23        | 134      |
| Total                                 | 70       | 337    | 57       | 78        | 542      |
| Average Membership . . . Male         | 33       | 68     | 12       | 20        | 133      |
| Female                                | 13       | 26     | 19       | 11        | 69       |
| Total                                 | 46       | 94     | 31       | 31        | 202      |
| Average Attendance . . . Male         | 26       | 45     | 8        | 12        | 91       |
| Female                                | 10       | 18     | 13       | 7         | 48       |
| Total                                 | 36       | 63     | 21       | 19        | 139      |
| Per cent. Att. out of No. Belonging . | 78.3     | 67.0   | 67.7     | 61.3      | 68.8     |
| Per cent. Att. out of Enrollment . .  | 37.1     | 13.3   | 14.0     | 15.4      | 25.6     |
| Number of Teachers . . . Male         | 2        | 3      | 2        | 2         | 9        |
| Female                                | 1        | 4      | 1        | 1         | 7        |
| Total                                 | 3        | 7      | 3        | 3         | 16       |
| Number of Sessions . . . . .          | 75       | 75     | 31       | 31        | . .      |
| Teachers, Cost of . . . . .           | 400.50   | 718.00 | 179.50   | 194.50    | 1,492.50 |
| Janitors and Supplies, Cost of . . .  | 105.66   | 174.17 | 53.16    | 53.66     | 386.65   |
| Total                                 | 506.16   | 892.17 | 232.66   | 248.16    | 1,879.15 |
| Per Evening . . . . .                 | 6.75     | 11.89  | 7.50     | 8.00      | 34.14    |
| Per Pupil in Average Membership .     | 11.00    | 9.49   | 7.50     | 8.00      | 9.30     |



TABLE 17 (*Concluded*).—EVENING DRAWING SCHOOL,  
SEASON OF 1897-1898.

|   |        | Industrial. | Freehand. | Total. |
|---|--------|-------------|-----------|--------|
| Enrolled . . . . .                                | Male   | 125         | 24        | 149    |
|   | Female | . .         | 36        | 36     |
|   | Total  | 125         | 60        | 185    |
| Average Membership . . . . .                      | Male   | 76          | 22        | 98     |
|   | Female | . .         | 33        | 33     |
|   | Total  | 76          | 55        | 131    |
| Average Attendance . . . . .                      | Male   | 57          | 17        | 74     |
|   | Female | . .         | 25        | 25     |
|   | Total  | 57          | 42        | 99     |
| Per cent. of Attendance out of Number Belonging . | Male   | 75.0        | 77.2      | 75.5   |
|   | Female | . .         | 75.7      | 75.7   |
|   | Total  | 75.0        | 76.3      | 75.5   |
| Per cent. of Attendance out of Enrollment . . .   | Male   | 45.6        | 70.8      | 49.6   |
|   | Female | . .         | 69.4      | 69.4   |
|   | Total  | 45.6        | 70.0      | 53.5   |
| Number of Teachers . . . . .                      | Male   | 4           | 1         | 5      |
|   | Female | . .         | 2         | 2      |
|   | Total  | 4           | 3         | 7      |

Cost of Instruction . . . . . \$1,339.00

Cost of Supplies, Janitors, and Light . . . . . 400.39

Total cost . . . . . \$1,739.39

Cost per pupil in average membership . . . . . 13.27

Cost per Evening . . . . . 36.24

Number of Sessions . . . . . 48

TABLE 18.—GRAMMAR SCHOOL GRADUATES  
FOR A SERIES OF YEARS.

| YEAR. | Prescott. | Bell. | Forster. | Morse. | Highland. | Edgerly. | Pope. | Knapp. | Hodgkins. | Glines. | Total. | Average<br>Membership of<br>Grammar and<br>Primary Schools. | Per cent. of Aver-<br>age Membership<br>Graduating. | Entered<br>High School | Per cent.<br>entering of those<br>Graduating. |
|-------|-----------|-------|----------|--------|-----------|----------|-------|--------|-----------|---------|--------|---|---|------------------------|---|
| 1885  | 51        | 73    | 28       | 30     | 29        |          |       |        |           |         | 211    | 4,584   | 4.60  | 155                    | 73.46   |
| 1886  | 60        | 66    | 26       | 23     | 22        |          |       |        |           |         | 197    | 4,635   | 4.25  | 133                    | 67.51   |
| 1887  | 52        | 67    | 28       | 37     | 37        |          |       |        |           |         | 221    | 4,849   | 4.56  | 146                    | 66.06   |
| 1888  | 54        | 64    | 34       | 41     | 50        |          |       |        |           |         | 243    | 5,109   | 4.75  | 156                    | 64.19   |
| 1889  | 59        | 91    | 48       | 42     | 41        |          |       |        |           |         | 281    | 5,568   | 5.04  | 169                    | 60.14   |
| 1890  | 54        | 106   | 45       | 56     | 57        |          |       |        |           |         | 318    | 6,062   | 5.24  | 184                    | 57.86   |
| 1891  | 44        | 73    | 41       | 55     | 44        | 39       |       |        |           |         | 296    | 6,035   | 4.90  | 199                    | 67.23   |
| 1892  | 41        | 36    | 75       | 49     | 45        | 49       | 36    | 39     |           |         | 370    | 6,525   | 5.67  | 228                    | 61.62   |
| 1893  | 40        | 60    | 48       | 63     | 67        | 46       | 36    | 38     |           |         | 398    | 6,674   | 5.97  | 240                    | 60.30   |
| 1894  | 39        | 29    | 79       | 66     | 68        | 41       | 35    | 32     |           |         | 389    | 6,600   | 5.89  | 253                    | 65.04   |
| 1895  | 36        | 32    | 58       | 63     | 73        | 42       | 36    | 34     |           |         | 374    | 6,955   | 5.37  | 255                    | 68.18   |
| 1896  | 38        | 34    | 72       | 38     | 70        | 46       | 37    | 35     |           |         | 370    | 7,201   | 5.13  | 281                    | 76.00   |
| 1897  | 34        | 39    | 50       | 48     | 41        | 29       | 30    | 25     | 45        | 27      | 368    | 7,602   | 4.84  | 273                    | 74.19   |
| 1898  | 36        | 43    | 31       | 46     | 36        | 50       | 36    | 28     | 41        | 35      | 382    | 8,029   | 4.75  | 281                    | 73.56   |
|       | 638       | 813   | 663      | 657    | 680       | 342      | 246   | 231    | 86        | 62      | 4,418  | 84,359  | 5.24  | 2,893                  | 65.48   |

TABLE 19.—ATTENDANCE STATISTICS  
FOR A SERIES OF YEARS.

| DECEMBER | ENROLLMENT. | Average<br>Membership. | Average<br>Attendance. | Per cent. of<br>Attendance. | Number of<br>Tardinesses. | Ratio of<br>Tardiness<br>to Average<br>Attendance |
|----------|-------------|------------------------|------------------------|-----------------------------|---------------------------|---|
| 1885     | 6,276       | 4,904                  | 4,627                  | 94.4                        | 2,480                     | 0.536   |
| 1886     | 6,350       | 4,985                  | 4,678                  | 93.8                        | 2,834                     | 0.606   |
| 1887     | 6,605       | 5,198                  | 4,879                  | 93.8                        | 2,699                     | 0.553   |
| 1888     | 7,262       | 5,488                  | 5,174                  | 94.0                        | 2,938                     | 0.549   |
| 1889     | 7,757       | 5,956                  | 5,585                  | 93.8                        | 2,780                     | 0.498   |
| 1890     | 7,878       | 6,485                  | 6,075                  | 93.6                        | 3,133                     | 0.516   |
| 1891     | 8,510       | 6,502                  | 6,091                  | 93.7                        | 3,182                     | 0.522   |
| 1892     | 9,120       | 7,035                  | 6,608                  | 93.9                        | 3,181                     | 0.481   |
| 1893     | 9,632       | 7,217                  | 6,790                  | 94.1                        | 3,375                     | 0.497   |
| 1894     | 9,387       | 7,212                  | 6,840                  | 94.8                        | 3,000                     | 0.419   |
| 1895     | 9,913       | 7,617                  | 7,255                  | 95.2                        | 2,736                     | 0.377   |
| 1896     | 10,582      | 8,077                  | 7,663                  | 94.9                        | 2,743                     | 0.358   |
| 1897     | 11,293      | 8,589                  | 8,144                  | 94.8                        | 2,486                     | 0.305   |
| 1898     | 11,577      | 9,085                  | 8,636                  | 95.1                        | 2,941                     | 0.341   |

TABLE 20.— MEMBERSHIP, ETC., OF HIGH SCHOOL  
FOR A SERIES OF YEARS.

| YEAR. | Average<br>Membership<br>all Schools. | Largest<br>Number in<br>High School. | Per cent. of<br>Average<br>Membership<br>of all<br>Schools. | Number of<br>Graduates of<br>High School. | Per cent. of<br>Average<br>Membership<br>of all<br>Schools. |
|-------|---------------------------------------|--------------------------------------|---|---|---|
| 1867  | 2,157                                 | 119                                  | 5.51  | 7   | 0.32  |
| 1868  | 2,285                                 | 141                                  | 6.17  | 17  | 0.75  |
| 1869  | 2,480                                 | 158                                  | 6.37  | 25  | 1.01  |
| 1870  | 2,639                                 | 165                                  | 6.25  | 16  | 0.65  |
| 1871  | 2,549                                 | 161                                  | 6.31  | 33  | 1.29  |
| 1872  | 2,799                                 | 186                                  | 6.64  | 21  | 0.75  |
| 1873  | 3,217                                 | 190                                  | 5.91  | 28  | 0.87  |
| 1874  | 3,265                                 | 198                                  | 6.06  | 26  | 0.79  |
| 1875  | 3,515                                 | 213                                  | 6.06  | 31  | 0.88  |
| 1876  | 3,712                                 | 226                                  | 6.09  | 33  | 0.81  |
| 1877  | 3,788                                 | 227                                  | 5.91  | 37  | 0.98  |
| 1878  | 3,992                                 | 250                                  | 6.26  | 31  | 0.78  |
| 1879  | 4,169                                 | 246                                  | 5.90  | 34  | 0.82  |
| 1880  | 4,278                                 | 254                                  | 5.93  | 27  | 0.63  |
| 1881  | 4,064                                 | 256                                  | 6.29  | 34  | 0.84  |
| 1882  | 4,263                                 | 280                                  | 6.57  | 33  | 0.77  |
| 1883  | 4,438                                 | 278                                  | 6.26  | 43  | 0.97  |
| 1884  | 4,804                                 | 315                                  | 6.55  | 46  | 0.96  |
| 1885  | 4,904                                 | 385                                  | 7.85  | 46  | 0.94  |
| 1886  | 4,985                                 | 374                                  | 6.70  | 56  | 1.12  |
| 1887  | 5,198                                 | 387                                  | 7.44  | 53  | 1.02  |
| 1888  | 5,488                                 | 435                                  | 7.92  | 60  | 1.09  |
| 1889  | 5,956                                 | 444                                  | 7.45  | 67  | 1.12  |
| 1890  | 6,485                                 | 487                                  | 7.51  | 60  | 0.93  |
| 1891  | 6,502                                 | 535                                  | 8.23  | 68  | 1.05  |
| 1892  | 7,035                                 | 577                                  | 8.20  | 80  | 1.14  |
| 1893  | 7,217                                 | 626                                  | 8.67  | 82  | 1.14  |
| 1894  | 7,274                                 | 691                                  | 9.50  | 111                                       | 1.52  |
| 1895  | 7,617                                 | 775                                  | 10.17   | 92  | 1.21  |
| 1896  | 8,077                                 | 858                                  | 10.62   | 119                                       | 1.47  |
| 1897  | 8,589                                 | 885                                  | 10.31   | 121                                       | 1.59  |
| 1898  | 9,085                                 | 890                                  | 9.80  | 130                                       | 1.43  |



TABLE 21.—PROMOTIONS FOR SCHOOL YEAR ENDING  
JUNE 30, 1898.

## GRAMMAR AND PRIMARY SCHOOLS.

| GRADE. | On June Promotion List. | Unconditionally Promoted to next Grade. | Promoted on Trial. | Left Behind. | Promoted more than one Grade. | Special Promotions between September and June. | Promotees Dropped Back after three months' trial. |
|--------|-------------------------|---|--------------------|--------------|-------------------------------|--|---|
| I.     | 1,417                   | 956                                     | 100                | 335          | 26                            | 29   | 9   |
| II.    | 1,121                   | 871                                     | 93                 | 130          | 27                            | 4  | 12  |
| III.   | 1,015                   | 809                                     | 105                | 97           | 4                             | 18   | 17  |
| IV.    | 903                     | 685                                     | 111                | 95           | 12                            | 7  | 12  |
| V.     | 872                     | 673                                     | 91                 | 106          | 2                             | 5  | 15  |
| VI.    | 752                     | 561                                     | 92                 | 92           | 7                             | 3  | 3   |
| VII.   | 636                     | 434                                     | 101                | 67           | 34                            | 6  | 4   |
| VIII.  | 548                     | 393                                     | 100                | 55           | 0                             | 6  | 7   |
| IX.    | 388                     | 320                                     | 40                 | 28           | 0                             | 1  | 3   |
| Total  | 7,652                   | 5,702                                   | 833                | 1,005        | 112                           | 79   | 82  |

PERCENTAGE OF PROMOTIONS FOR SCHOOL YEAR  
ENDING JUNE 30, 1898.

| GRADE. | On June Promotion List. | Unconditionally Promoted to next Grade. | Promoted on Trial. | Left Behind. | Promoted more than one Grade. | Special Promotions between September and June. | Promotees Dropped Back after three months' trial. |
|--------|-------------------------|---|--------------------|--------------|-------------------------------|--|---|
| I.     | 100                     | 67.4                                    | 7.1                | 23.6         | 1.9                           | . .  | 9.0   |
| II.    | 100                     | 77.7                                    | 8.2                | 11.6         | 2.5                           | . .  | 12.9  |
| III.   | 100                     | 79.7                                    | 10.3               | 9.6          | 0.4                           | . .  | 16.2  |
| IV.    | 100                     | 75.9                                    | 12.3               | 10.5         | 1.3                           | . .  | 10.9  |
| V.     | 100                     | 77.2                                    | 10.4               | 12.2         | 0.2                           | . .  | 16.5  |
| VI.    | 100                     | 74.6                                    | 12.2               | 12.2         | 1.0                           | . .  | 3.3   |
| VII.   | 100                     | 68.2                                    | 15.9               | 10.5         | 5.4                           | . .  | 4.0   |
| VIII.  | 100                     | 71.7                                    | 18.2               | 10.0         | 0.1                           | . .  | 7.0   |
| IX.    | 100                     | 82.0                                    | 10.3               | 7.2          | 0.5                           | . .  | 7.5   |
| Total  | 100                     | 74.5                                    | 10.9               | 13.1         | 1.5                           | . .  | 9.8   |

TABLE 22.—RESIGNATIONS OF TEACHERS, 1898.

| SCHOOL.      | Teacher.             | Time of Resignation. | In Service.   |
|--------------|----------------------|----------------------|---------------|
| English High | Lyman C. Newell      | March 28             | 2 yrs. 7 mos. |
| Prescott     | Addie V. Hoyt        | " 28                 | 1 yr. 7 mos.  |
| Bell         | Mary A. Bradford     | April 25             | 9 yrs. 8 mos. |
| Bell         | Mary S. Rinn         | " 25                 | 9 "           |
| Morse        | Ella J. Holmes       | May 31               | 3 "           |
| Franklin     | Caroline S. Plimpton | " 31                 | 39 "          |
| English High | Alice F. Davenport   | " 31                 | 3 "           |
| Glines       | Grace Woodbury       | June 27              | 1 yr.         |
| Cummings     | Lena B. Blaikie      | Aug. 29              | 8 yrs.        |
| Hodgkins     | May E. Barker        | " 29                 | 1 yr. 6 mos.  |
| Forster      | Mary A. Worden       | " 29                 | 3 yrs.        |
| Prescott     | Elgina M. Plummer    | Sept. 26             | 21 "          |
| Pope         | Clara M. Wheeler     | Oct. 31              | 3 "           |
| Knapp        | Ida B. Mason         | " 31                 | 3 "           |
| Music        | Gish Garwood         | June 27              | 7 "           |
| Highland     | Sarah C. Linscott    | Nov. 25              | 1 yr. 4 mos.  |
| Edgerly      | Clara B. Cutler      | Dec. 12              | 6 yrs.        |
| Hodgkins     | Mary S. Lawrence     | Died                 | 3 " 4 mos.    |
| Edgerly      | Clara M. Bagley      | "                    | 25 "          |

TABLE 23.—TEACHERS ELECTED IN 1898.

| SCHOOL.        | Teacher.              | Coming From        | Date.    | Salary. |
|----------------|-----------------------|--------------------|----------|---------|
| English High . | George J. Pfeiffer    | Harvard University | Mar. 28  | \$1,200 |
| Carr . . .     | Chas. G. Ham          | Watertown          | May 31   | 1,900   |
| Edgerly . .    | Mary A. Coyle         | Needham            | " 31     | 600     |
| Glines . .     | Nellie E. Briggs      | Attleboro          | " 31     | 600     |
| English High . | Etta A. Seaver        | No. Easton         | June 27  | 800     |
| English High . | Mary F. Carrick       | Chelsea, Natick    | " 27     | 900     |
| Prescott . .   | Mattie L. Littlefield | Somerville         | " 27     | 500     |
| Bell . . .     | Mary F. Lyman         | Willimantic, Ct.   | " 27     | 600     |
| Carr . . .     | Blanche E. Townsend   | Newton             | " 27     | 675     |
| Carr . . .     | Anne E. Bragdon       | Watertown          | " 27     | 600     |
| Carr . . .     | Mabel A. Mann         | Everett            | " 27     | 600     |
| Carr . . .     | Charlotte M. Jepson   | Everett            | " 27     | 600     |
| Prescott . .   | Elizabeth L. Marvin   | Wellesley          | Sept. 26 | 600     |
| Hanscom . .    | Helen G. Frye         | Medford            | " 26     | 600     |
| Edgerly . .    | Helen M. Blaisdell    | Minneapolis, Minn. | " 26     | 600     |
| Glines . .     | M. Eva Warren         | Waltham            | " 26     | 600     |
| Forster . .    | Minnie L. Burglund    | Omaha, Neb.        | " 26     | 600     |
| Hodgkins . .   | Maud M. Hartwell      | Lewiston, Me.      | " 26     | 600     |
| Carr . . .     | Jennie E. Sutherland  | Salem              | Dec. 30  | 600     |
| Carr . . .     | Susie L. Luce         | Somerville         | June 27  | 600     |
| Carr . . .     | Bessie A. Dadmun      | Somerville         | " 27     | 600     |
| Carr . . .     | Florence B. Howland   | Somerville         | Dec. 30  | 600     |
| Music . .      | Charlotte D. Lawton   | Somerville         | Sept. 26 | 900     |

TABLE 24.—TRANSFERS OF TEACHERS.

| TEACHERS.                 | From          | To            |
|---------------------------|---------------|---------------|
| Martha M. Power . . .     | Hanscom       | Edgerly       |
| Angeline Cann . . .       | Prospect Hill | Cummings      |
| Sarah I. Beard . . .      | Bennett       | Prospect Hill |
| Lila G. Gray . . .        | Bell          | Bennett       |
| Alice A. Beckwith . . .   | Morse         | Bingham       |
| Harriet A. Hills . . .    | Franklin      | Carr          |
| Marion P. Crawford . . .  | "             | "             |
| Elizabeth S. Foster . . . | "             | "             |
| Mary A. Haley . . .       | Morse         | "             |

TABLE 25.—LEAVE OF ABSENCE OF TEACHERS.

April 30. Clara B. Cutler, for two months.

June 1. Carrie A. Marsh, for one year.

Sept. 1. Lennie W. Bartlett, for one year.



TABLE 26.—TIME LOST BY TEACHERS IN 1898.

| SCHOOLS.                | Number of Teachers. | Days Lost. | Days per Teacher. |
|-------------------------|---------------------|------------|-------------------|
| Latin High . . . . .    | 9                   | 21         | 2.3               |
| English High . . . . .  | 23                  | 84         | 3.6               |
| Prescott . . . . .      | 13                  | 32½        | 2.5               |
| Edgerly . . . . .       | 13                  | 13½        | 1.0               |
| Davis . . . . .         | 4                   | 12         | 3.0               |
| Bell . . . . .          | 13                  | 58         | 4.4               |
| Cummings . . . . .      | 4                   | 9          | 2.2               |
| Knapp . . . . .         | 14                  | 33½        | 2.4               |
| Pope . . . . .          | 13                  | 20½        | 1.6               |
| Prospect Hill . . . . . | 7                   | 13½        | 2.0               |
| Bennett . . . . .       | 4                   | 10         | 2.5               |
| Jackson . . . . .       | 5                   | 24         | 4.8               |
| Forster . . . . .       | 14                  | 94         | 6.7               |
| Glines . . . . .        | 16                  | 38½        | 2.4               |
| Bingham . . . . .       | 10                  | 15         | 1.5               |
| Morse . . . . .         | 14                  | 72½        | 5.2               |
| Franklin . . . . .      | 10                  | 14½        | 1.5               |
| Carr . . . . .          | 20                  | ½          | 0.3               |
| Durell . . . . .        | 4                   | 13         | 3.2               |
| Harvard . . . . .       | 1                   | 0          | 0.0               |
| Burns . . . . .         | 4                   | 50½        | 12.6              |
| Cedar-St. . . . .       | 2                   | 9½         | 4.7               |
| Highland . . . . .      | 13                  | 35½        | 2.7               |
| Lincoln . . . . .       | 4                   | 63½        | 15.9              |
| Hodgkins . . . . .      | 14                  | 41         | 3.0               |
| Hanscom . . . . .       | 7                   | 4½         | 0.6               |
| Special . . . . .       | 7                   | 26½        | 3.8               |
| Totals . . . . .        | 252                 | 810        | 3.2               |

TABLE 27.—NUMBER OF TEACHERS  
FOR A SERIES OF YEARS.

| YEAR. | High<br>School. | Grammar<br>School. | Primary<br>School. | Special<br>Teachers. | Assistants<br>not in<br>charge of<br>room. | Men. | Women. | Total. |
|-------|-----------------|--------------------|--------------------|----------------------|--|------|--------|--------|
| 1885  | 9               | 63                 | 48                 | 1                    | 0  | 10   | 111    | 121    |
| 1886  | 9               | 62                 | 48                 | 1                    | 0  | 9    | 111    | 120    |
| 1887  | 10              | 64                 | 48                 | 1                    | 0  | 9    | 114    | 123    |
| 1888  | 10              | 66                 | 52                 | 4                    | 7  | 9    | 130    | 139    |
| 1889  | 10              | 60                 | 56                 | 4                    | 7  | 10   | 127    | 137    |
| 1890  | 10              | 78                 | 58                 | 5                    | 7  | 12   | 146    | 158    |
| 1891  | 12              | 86                 | 63                 | 5                    | 13   | 12   | 167    | 179    |
| 1892  | 13              | 90                 | 67                 | 5                    | 10   | 12   | 173    | 185    |
| 1893  | 14              | 88                 | 63                 | 5                    | 19   | 12   | 177    | 189    |
| 1894  | 15              | 91                 | 66                 | 6                    | 11   | 12   | 177    | 189    |
| 1895  | 28              | 91                 | 73                 | 5                    | 12   | 19   | 186    | 209    |
| 1896  | 30              | 102                | 74                 | 6                    | 14   | 22   | 208    | 230    |
| 1897  | 31              | 109                | 85*                | 6                    | 18   | 22   | 227    | 249    |
| 1898  | 32              | 112                | 87*                | 7                    | 13   | 23   | 229    | 252    |

\* Five Kindergartners.

TABLE 28.—BOOKS AUTHORIZED FOR USE, 1898.  
FOR GRAMMAR AND PRIMARY SCHOOLS.

|                                |                   |
|--------------------------------|-------------------|
| Book III, Cecilian Series,     | For Seventh grade |
| Stepping Stones to Literature, | Supplementary     |
| Cyr's Third Reader.            |                   |
| Cyr's Fourth Reader.           |                   |

FOR HIGH SCHOOLS.

|                                     |                |
|-------------------------------------|----------------|
| Studies in English Composition,     | Keeler & Davis |
| Course in Mechanical Drawing,       | Tracy          |
| Student's American History,         | Montgomery     |
| Student's History of United States, | Channing       |
| Exercises in English,               | Beuhler        |
| Classical Wall Maps,                | Keipert        |

FOR ALL SCHOOLS.

Rand and McNally's Outline Wall Maps.

TABLE 29.—GRADUATION EXERCISES, 1898.  
HIGH SCHOOLS.

The graduation exercises of the High schools occurred on Tuesday evening, June 28, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The address to graduates was given by Rev. Robert. S. MacArthur, D. D., of New York.

At the close of the address, His Honor, Mayor Perry, presented diplomas to the 130 members of the graduating classes.

The graduation exercises were followed by a reception to the graduates and their parents given by the School Board, at which about 500 were present.

## ORDER OF EXERCISES.

Grand March. "Tannhäuser." Wagner  
Hadley's Orchestra.

1. \*Chorus. Hallelujah. "Mount of Olives." Beethoven
2. Prayer.

Rev. Isaac P. Coddington.

3. Three-part Song. "The Twilight Star." Barnby  
(Girls' voices. Instrumentation by S. Henry Hadley.)

4. Address to Graduates.

"Subject: "Elements of Success in Life."

Rev. Robert S. MacArthur, D. D., of New York.

5. Unison Song. "Erlkönig." Schubert  
(In German.)

6. Presentation of Diplomas.

Mayor Albion A. Perry.

7. \*Chorus. (In unison.)

"Egyptian War Song." Sébek Hétep. H. K. Hadley  
(Conducted by the composer.)

\*Accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.



## LATIN HIGH SCHOOL GRADUATES.

|                              |                               |
|------------------------------|-------------------------------|
| Lilla Marion Alger.          | Ella Frances Murdock.         |
| Lida Bethia Belcher.         | Emma Franklin Paul.           |
| Estelle Bray.                | Bertha Angilene Putney.       |
| Mae Ellis Brock.             | Ethel May Smith.              |
| Ethel Browne.                | Myrtle Smith.                 |
| Josephine Rosamond Burke.    | Florence Parker Stoddard.     |
| Ruth Paul Capen.             | Marian Lucy Titus.            |
| Mary Emily Carr.             | Maud Russell Tousey.          |
| Florence Sydney Bull Clarke. | Florence Gertrude Williams.   |
| Florence Baxter Cochran.     | Oenone Louise Williams.       |
| Lillian Mae Cuddy.           | Eleanore Josephine Wingersky. |
| Lena Mae Dickinson.          | Susan Coolidge Woodman.       |
| Eda Florence Dolliver.       | Charles Merritt Ambrose.      |
| Charlotte Cordelia Eldridge. | William Thomas Coveney.       |
| Effie Mae Fife.              | Burt Raymond Gage.            |
| Mabelle Pennell Foster.      | Moses Aaron Gunsenhiser.      |
| Mabel Florence Fuller.       | Frederic Kennard Jones.       |
| Susie Lillian Hammett.       | Forrest Sumner Lunt.          |
| Susie Myrtle Hanson.         | Thomas Francis McGann, Jr.    |
| Marion Colby Kendall.        | Albert Lincoln Pearson.       |
| Margaret Abbie Lakin.        | Bradford Hendrick Peirce.     |
| Ada Estelle Lawson.          | Royal Kellum Peirce.          |
| Charlotte Elizabeth Leavitt. | Henry James Ryan.             |
| Blanche Elizabeth Lyon.      | Andrew Edward Scott.          |
| Agnes Irene McCoy.           | Percy Channing Smith.         |
| Janie Almira Millner.        | William Claude Stephenson.    |
| Florence Elizabeth Mitchell. | Malcolm Eben Sturtevant.      |
| Donald Graves Tead.          |                               |

## ENGLISH HIGH SCHOOL GRADUATES.

|                                     |                                |
|-------------------------------------|--------------------------------|
| Marie Louise Ambrose.               | Bessie Edna Howe.              |
| Calla Ely Belcher.                  | Bertha Ella Lyman.             |
| Mary Gertrude Blackwell.            | Ida May Lynam.                 |
| Florence Amy Bone.                  | Elizabeth Emma Marshall.       |
| Mabel Frances Bossey.               | Agnes Mabel Moore.             |
| Ellen Gertrude Bowen.               | Mabel Allen Nye.               |
| Ella May Burgess.                   | Mabel Maria Paine.             |
| Lillian Isabelle Cameron.           | Ethel Bennett Pitman.          |
| Helen Damon Carr.                   | Etta Frances Pratt.            |
| Annie Clewley Clifford.             | Minnie Elizabeth Price.        |
| Agatha Gertrude Frances<br>Commins. | Maude Frances Quinn.           |
| Mabel Vesta Coney.                  | Florence Addie Russell.        |
| Mary Emma Cox.                      | Grace Lane Smith.              |
| Gertrude May Pearl Currier.         | Ethel Hoffman Sparrow.         |
| Ruby Helen Currier.                 | Jennie Louise Stentiford.      |
| Mabel Katharine Davis.              | Vivian Lynell Stevens.         |
| Martha Louise Desmond.              | Ellen Tamour Stone.            |
| Louise Hewitt Dickinson.            | Bertha Watson Studley.         |
| Nellie Etta Drake.                  | Edna Florence Thresher.        |
| Gertrude Sophia Dugan.              | Gertrude Curtis Lamper Vasque. |
| Laura Mehitable Eastman.            | Lilla May Walker.              |
| Clara Isabelle Eddy.                | Agnes Kirkwood Wallace.        |
| Adelaide Rebecca Edmands.           | Marion Ruth White.             |
| Helen Augusta Fitzgerald.           | Florence Young.                |
| Alice Porter French.                | Warren Jenerson Baldwin.       |
| Jessie Florence Grieves.            | Ralph Ordway Brooks.           |
| Maud Lee Hall.                      | Clarence Edwin Cate.           |
| Matie Louise Hardison.              | Louis Follett Crowell.         |
| Eva Ellen Hathaway.                 | Albert Garfield Crowley.       |
| Edith Bancroft Hayes.               | William Fitch Cutter.          |
| Ida Carlotta Hilt.                  | Charles Joseph Fulton.         |
|                                     | Harry Langdon.                 |

|                             |                            |
|-----------------------------|----------------------------|
| Arthur North Makechnie.     | Ernest Alexander Saunders. |
| Albert Jackson Meserve, Jr. | Bernard Joseph Sheridan.   |
| Willard Arthur Palmer.      | Herbert Edwin Stone.       |
| Frank James Pushee.         | Harry Marr Stoodley.       |
| Alfred Sanborn Rich.        | Duncan Wemyss.             |
| Albert Willard Wormwood.    |                            |

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TABLE 30.—GRAMMAR SCHOOL GRADUATES.

The graduation exercises of the Grammar schools were held at the First M. E. Church, Union square, on Thursday evening, June 30. Three hundred and eighty-two graduates received diplomas at the hands of His Honor, Mayor Perry. The following is the

ORDER OF EXERCISES.

PART FIRST.

Overture — “A Morning, Noon, and Night in Vienna.” Suppé  
(’Cello Solo by Arthur D. Hadley.)

Hadley’s Orchestra.

1. Chorus — “Football Day” (vocal march). G. A. Veazie  
(Instrumentation by S. Henry Hadley.)

2. Prayer.

Rev. William B. C. Merry.

3. Patriotic Anthem — “Columbia.” Victor Herbert

4. Address.

Rev. Thomas Van Ness, of Boston.

PART SECOND.

5. Hallelujah Chorus — “Messiah.” Handel

6. Presentation of Diplomas.

Mayor Albion A. Perry.

7. Four-part song — “Good Night, Beloved.” Pinsuti

Singing accompanied by Hadley’s Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

NAMES OF GRADUATES.

---

## PRESCOTT SCHOOL.

|                      |                       |
|----------------------|-----------------------|
| Hattie M. Baker.     | Louise E. Messer.     |
| Cora L. Braxton.     | Ethel B. Morris.      |
| Agnes L. Brown.      | George E. Perry.      |
| Henrietta Brown.     | Chester A. Peterson.  |
| Flora M. Byam.       | Albert Phillips.      |
| Fred. D. Clement.    | Ida L. Rand.          |
| Jeannette F. Craig.  | Beulah L. Rice.       |
| Dalton H. Davis.     | Hollis L. Robbins.    |
| Harry J. Ennis.      | Lottie M. Robinson.   |
| Cora S. Fitch.       | Richard H. Scott.     |
| Julia M. Flaherty.   | Ernest B. Small.      |
| Helen E. Frye.       | Estelle C. Spicer.    |
| Julian E. Glidden.   | Fred E. Tarbox.       |
| Aline L. Hanscom.    | Lillian E. Tolman.    |
| Lauretta Kelley.     | Everett G. Wentworth. |
| Alice L. Kimpton.    | James G. Whiting.     |
| Nathaniel A. Knight. | Joseph F. Wilber.     |
| Ethel M. Knowles.    | Edwin A. Wright.      |

## EDGERLY SCHOOL.

|                        |                    |
|------------------------|--------------------|
| Gilbert G. Baker.      | Frank M. Gracey.   |
| Florence L. Bemis.     | Blanche N. Hall.   |
| Laurence Cain.         | Henry T. Holland.  |
| George C. Clement.     | Harold B. Hodgdon. |
| Alice M. Coleman.      | Lester R. Holland. |
| Marguerite V. Crocker. | Blanche L. Holman. |
| George H. Crosby.      | Edna M. Holmes.    |
| Royal B. Farnum.       | Irene A. Horton.   |
| Grace M. Field.        | Willis A. Hubbard. |
| Ardies N. Glaister.    | Laura Hughes.      |



Florence N. King.  
Clara K. Linnell.  
Winnie V. Macdonald.  
Elizabeth Maddox.  
Gertrude F. McCarthy.  
Edith B. Miller.  
Mary Mooney.  
William S. Murdoch.  
Nellie Murray.  
Emma B. Nichols.  
Edrick R. Nickerson.  
Grace A. Porter.  
Ella O. Pratt.  
Reuben P. Prichard.  
Minnie Schmeiser.

Sarah A. Shaw.  
George Smith.  
Chester D. Southworth.  
Arthur M. Stewart.  
Daniel V. Stewart.  
Ida M. Stodder.  
Edith C. Whiddon.  
Ruby G. White.  
Frank S. Whitney.  
Lena H. Whitney.  
Albert B. Wing.  
Grace M. Wing.  
Eliot I. Wingersky.  
Georgiana S. Wright.  
Annie F. Wilson.

#### LUTHER V. BELL SCHOOL.

Arthur L. Armstrong.  
Florence M. Baldwin.  
Lillian H. Baldwin.  
Florence L. Black.  
Gertrude J. Blaisdell.  
Rita F. Brackett.  
Bertha E. Brown.  
Harold A. Butters.  
Eola B. Carter.  
Julia T. Conner.  
Sarah G. Copithorne.  
Elizabeth G. Crooks.  
George L. Cuddy.  
Frank E. Currier.  
William J. Daley.  
Nellie G. Dearborn.

Bertha E. Dillon.  
Robert J. Eberts.  
Mary P. Felch.  
Nellie P. Field.  
Iva H. Grant.  
Estella W. Grove.  
Mary J. Jackson.  
Lizzie B. Landers.  
Clara W. Macomber.  
Isabelle G. McFadden.  
Pierce P. McGann.  
Carle J. Merrill.  
Esther W. Merrill.  
A. Leonard O'Leary.  
Emmalena E. Pennie.  
Roger V. Pettingell.

|                      |                      |
|----------------------|----------------------|
| Marion E. Ralph.     | Minnie T. Stapleton. |
| Alfred J. Saunders.  | Jennie B. Trench.    |
| Louise M. Saunders.  | Winifred M. Trueman. |
| Charles F. Shepard.  | H. Lottie Yelland.   |
| Charles W. Shepherd. | Louis H. Yelland.    |
| Elbert L. Yorke.     |                      |

## OREN S. KNAPP SCHOOL.

|                        |                        |
|------------------------|------------------------|
| Cora Adams.            | John L. Lawson.        |
| Martha L. Alfonse.     | Silva L. Lescarbeau.   |
| Mabel G. Craig.        | Gertrude K. Lord.      |
| Marion Daniels.        | Gardner S. MacQuarrie. |
| Edna M. Devine.        | Edith F. Mulliken.     |
| Joseph A. Dias.        | Margaret M. Nason.     |
| Theresa C. Fitzgerald. | Grace R. Olin.         |
| Dorothy M. Franke.     | Blanche L. Paine.      |
| Gertrude E. Gallagher. | Henry W. Robertson.    |
| Blanche Gilberth.      | Henry L. Ryan.         |
| Edith M. Green.        | Edward S. Sheridan.    |
| Cora L. Hull.          | L. Mabel Smith.        |
| John W. Irving.        | Elizabeth E. Sullivan. |
| Theresa P. Irving.     | Gertrude M. Waugh.     |

## CHARLES G. POPE SCHOOL.

|                       |                       |
|-----------------------|-----------------------|
| Grace G. Allen.       | Eliene C. Fleischer.  |
| Millie E. Bacon.      | Charles W. Gilmore.   |
| Charlotte E. Boynton. | Harry W. Gordon.      |
| Charles F. Campbell.  | Edith S. Haradon.     |
| Janet C. Christie.    | James J. Hepburn, Jr. |
| Ada V. Clapham.       | Charles Higgens.      |
| Gertrude F. Cushing.  | Lizzie F. Higgins.    |
| N. Blanche Daniels.   | James H. Hurter, Jr.  |
| Albert H. Fairbanks.  | Alice N. Jones.       |

|                         |                       |
|-------------------------|-----------------------|
| Eleanor G. Luscomb.     | Lura E. Sargent.      |
| Jennie F. Noonan.       | Jennie E. Smith.      |
| Thomas OConnell.        | Minnie C. Stentiford. |
| Howard E. Odiorne.      | Ethel P. Sturtevant.  |
| Harriet A. Osborne.     | George H. Sturtevant. |
| Lillian M. Reading.     | Velma E. Tyler.       |
| Clifford T. Richardson. | Grace F. White.       |
| Milbury H. Ryder.       | Mabel V. Wile.        |
| Eva M. Sanborn.         | Axel E. Zetterman.    |

## FORSTER SCHOOL.

|                       |                     |
|-----------------------|---------------------|
| Vivianna C. Andersen. | Edith F. Johnson.   |
| Helen A. Barker.      | Lora E. Komenda.    |
| Ruth M. Bickford.     | Thomas F. Lucas.    |
| J. May Boynton.       | Edna F. Morley.     |
| Grace D. Bryant.      | J. Clare Moulton.   |
| John D. Carroll.      | Ralph Nason.        |
| Lillian R. Crowley.   | John W. O'Neil.     |
| Florence B. Darling.  | Octavia M. Perkins. |
| Nellie L. Donahue.    | Nellie A. Pigott.   |
| Walter H. Duncan.     | Gertrude A. Rogers. |
| Hannah M. Everett.    | Charles A. Russ.    |
| Ida M. Fenderson.     | Lotta L. Russell.   |
| Mary E. Grimes.       | Maude B. Simes.     |
| Sophie K. Hammer.     | George G. Smith.    |
| Lillian Henderson.    | Ella N. Todd.       |

Edith B. Winn.

## JACOB T. GLINES SCHOOL.

|                   |                     |
|-------------------|---------------------|
| Annie M. Coveney. | Gorham W. Harris.   |
| H. Palmer Foster. | Ruby L. Harrison.   |
| Elbern Freeman.   | Kate E. Hilliard.   |
| Mary S. Haggerty. | Percival J. Holmes. |

|                          |                        |
|--------------------------|------------------------|
| Ellen M. Hunt.           | Francoise Paon.        |
| Joseph W. Hyde.          | Mabelle F. Pote.       |
| Ethel C. Kammerer.       | Jessie G. Rideout.     |
| Ida M. Kane.             | Frank W. Ross.         |
| Arthur C. Krueger.       | Gertrude M. Silva.     |
| Harold B. Lamont.        | Ferdinand B. Smith.    |
| Mildred F. Lincoln.      | Grace E. Spike.        |
| Henrietta McConnell.     | Octavia A. Stewart.    |
| Elizabeth A. McLaughlin. | Walter C. Stickney.    |
| Howard H. McLeod.        | Clarence G. Stone.     |
| Roy P. Marble.           | Everett G. Stone.      |
| Charles P. Marston.      | Adelaide B. Tomfohrde. |
| William A. Murray.       | Bowen Tufts.           |
| Percy H. Underhill.      |                        |

## MORSE SCHOOL.

|                          |                      |
|--------------------------|----------------------|
| Mabel A. Baird.          | Edna C. Grant.       |
| Elin O. Bengtson.        | Gertrude M. Grant.   |
| James A. Butler.         | Gertrude Griffiths.  |
| Chester W. Butterworth.  | George R. Grover.    |
| Ethel G. Cambridge.      | Walter J. Kennedy.   |
| Alice M. Commins.        | Grace L. LeGro.      |
| Bessie A. Conboy.        | H. Delano Loring.    |
| Annie E. Connors.        | Grace Massey.        |
| Edna G. Crowell.         | Mildred A. Merrill.  |
| George M. Davis.         | S. Edith Moses.      |
| Isabel L. Drady.         | Guy P. Moses.        |
| Natalie M. Eldridge.     | Berkeley W. Mossman. |
| Harry R. Ells.           | John R. Nichols.     |
| Margaret L. Fitzsimmons. | Edward B. Nolan.     |
| May B. Garland.          | H. Stuart Nolan.     |
| Albert J. Good.          | James A. Potter.     |
| R. Henry Good.           | G. Waldo Proctor.    |



Alice C. Rand.  
F. Keeler Rice.  
Jessie Richards.  
Ellen S. Ringdahl.  
Jessie K. Shearer.  
Ray E. Shedd.

Bessie S. Slack.  
Joseph M. Story.  
Annie M. Trustenitzer.  
Arthur D. Whitman.  
Ethel P. Whitton.  
Carrie E. Winfield.

#### HIGHLAND SCHOOL.

Elizabeth T. Baldwin.  
Florence B. Bartlett.  
Christina F. Blair.  
Alexina L. P. Bowlby.  
Helen H. Bowlby.  
Robert B. Chapin.  
Chester F. Colcord.  
William E. Coman.  
Elizabeth C. Crocker.  
Violet Z. Dupont.  
Roderic E. Field.  
Clifford G. Foskett.  
Clinton I. Foskett.  
Grace B. Gilman.  
William N. Goode.  
Charles B. Gray.  
Albert E. Hughes.  
Clinton I. Jackson.

Ethelyn L. Jones.  
Blanche I. Jouett.  
John E. Keating.  
Marguerite Lawrence.  
Reuben W. Mead.  
Laila C. Nye.  
Helen W. Pynn.  
Lottie L. Rice.  
Sadie B. Salsman.  
Mary A. Sharkey.  
Josephine C. Shea.  
Jessica B. Staniford.  
Frederick G. Thornton.  
Zula M. Upham.  
Nellie G. Winther.  
Emma L. Witham.  
Claribel L. Wood.  
Frank G. Yeaton.

#### WILLIAM H. HODGKINS SCHOOL.

Florence E. Backus.  
John A. Backus.  
J. Chandler Ball.  
Florence A. Burt.  
Etta M. Calley.

Frank S. Chase.  
Ralph D. Cleverley.  
Harry E. Cook.  
Beulah D. Cutler.  
George H. Darling.

|                        |                     |
|------------------------|---------------------|
| Mabel D. Dodge.        | Mary C. Molineaux.  |
| Annie M. Duhn.         | Frank Mulloney.     |
| Mary T. Dwyer.         | Persis C. Olney.    |
| Henry L. Emerson.      | J. Dale Outhouse.   |
| Edgar G. Fisher.       | Virginia C. Phelan. |
| Chester O. Fleischner. | Leslie B. Phillips. |
| Herbert E. Fleischner. | Ruth Richards.      |
| Julia A. Frazier.      | John H. Savage.     |
| Mabel E. Hutt.         | Mary L. Smith.      |
| Lottie B. Joscelyn.    | Clyde E. Steeves.   |
| Grace E. Lamont.       | Frank E. Studley.   |
| Caroline M. Lyon.      | Adele H. Tribble.   |
| Lulu A. Marshall.      | Owen L. Trefren.    |
| Bessie F. Mason.       | Fritz Wallstrom.    |
| Bertha E. Mauch.       | Jessie L. Weeks.    |
| Alice G. Wilkins.      |                     |

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898.

| NAME.  | Residence.                  | Salary. | Beginning of Service. |
|--|-----------------------------|---------|-----------------------|
| LATIN HIGH SCHOOL.                           |                             |         |                       |
| <i>George L. Baxter</i> , Head Master,       | 27 Warren ave.              | \$2,500 | 1867                  |
| Frank M. Hawes, Master,                      | 257 School st.              | 2,000   | 1879                  |
| Charles T. Murray, Sub-Master,               | 28 Franklin st.             | 1,700   | 1887                  |
| Sarah W. Fox,                                | 99 Irving st., Cambridge.   | 1,200   | 1868                  |
| Frances W. Kaan,                             | 12 Pleasant ave.            | 1,000   | 1882                  |
| Eudora Morey,                                | 61 Hemenway st., Boston.    | 900     | 1882                  |
| Mrs. Lena Gilbert,                           | 51 Elmwood st.              | 900     | 1893                  |
| Florence H. Paul,                            | 120 Summer st.              | 900     | 1894                  |
| R. Adelaide Witham,                          | 62 Highland ave.            | 850     | 1897                  |
| ENGLISH HIGH SCHOOL.                         |                             |         |                       |
| <i>Charles T. C. Whitcomb</i> , Head Master, | 12 Highland ave.            | \$2,500 | 1895                  |
| Winfred C. Akers, Master,                    | 24 Crocker st.              | 1,900   | 1896                  |
| Merle S. Getchell, Sub-Master,               | 149 Sycamore st.            | 1,350   | 1895                  |
| Everett W. Tuttle “                          | Hotel Colson.               | 1,700   | 1895                  |
| John A. Avery “                              | 68 Columbus ave.            | 1,350   | 1895                  |
| Harry L. Jones, Junior Sub-Master,           | 157 Highland ave.           | 1,100   | 1896                  |
| George J. Pfeiffer “ “                       | Bartlett ave., Arlington.   | 1,200   | 1898                  |
| Howard W. Poor “ “                           | 34 Bow st.                  | 1,100   | 1896                  |
| A. Marion Merrill,                           | 62 Highland ave.            | 1,150   | 1895                  |
| Mary P. Anderson,                            | 61 Walnut st.               | 900     | 1895                  |
| Esther Bailey,                               | 1172 Mass. ave., Arlington. | 900     | 1894                  |
| A. Laura Batt,                               | 62 Highland ave.            | 900     | 1895                  |
| Mary F. Carrick,                             | 27 Belvidere st., Boston.   | 900     | 1898                  |
| Laura A. Davis,                              | The Caldwell, Arlington.    | 850     | 1897                  |
| M. Jessamine Dixon,                          | 122 Orchard st.             | 1,200   | 1895                  |
| Mary P. Hitchcock,                           | 39 Cedar st.                | 900     | 1895                  |
| Lucy Ingram,                                 | 13 Pleasant ave.            | 900     | 1894                  |
| Clara A. Johnson,                            | 177 Central st.             | 850     | 1897                  |
| Eda L. Nichols,                              | 54 Vinal ave.               | 900     | 1895                  |
| Susie L. Sanborn,                            | 13 Pleasant ave.            | 900     | 1896                  |
| Etta A. Seaver,                              | 60 Vinal ave.               | 800     | 1898                  |
| Maria B. Smith,                              | 14 Spring Hill terrace.     | 1,000   | 1894                  |
| M. Helen Teele,                              | 23 Central st., Arlington.  | 900     | 1895                  |
| STUDENT TEACHERS.                            |                             |         |                       |
|  | Graduate of                 |         |                       |
| Martha E. Vincent,                           | Radcliffe, '98.             |         |                       |
| Helen F. Tredick,                            | Smith, '97.                 |         |                       |
| Alice A. Todd,                               | Smith, '98.                 |         |                       |
| Frederick G. Getchell,                       | Colby, '98.                 |         |                       |
| Bertha A. Raymond,                           | Emerson College, '96.       |         |                       |
| Bessie L. Forbes,                            | English High School, '97.   |         |                       |
| Lillian Newman,                              | Mass. Normal Art, '95-'98.  |         |                       |
| Norma Peirce,                                | “ “ “ '96-'97.              |         |                       |
| Harry E. Rich,                               | “ “ “ '98.                  |         |                       |

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898.— *Continued.*

| Grade.           | NAME.                                 | Residence.                    | Salary. | Beginning of Service. |
|------------------|---------------------------------------|-------------------------------|---------|-----------------------|
| PRESCOTT.        |                                       |                               |         |                       |
| 9                | <i>Samuel A. Johnson</i> , Master,    | 91 Perkins st.                | \$1,900 | 1893                  |
| 9                | Anna M. Bates,                        | 102 Bridge st., Salem.        | 700     | 1874                  |
| 8                | Emma M. Cate,                         | 5 Fletcher st., Winchester.   | 600     | 1882                  |
| 7                | Elizabeth M. Warren,                  | 92 Myrtle st.                 | 600     | 1897                  |
| 6                | Abbie A. Anderson,                    | 1 Pearl st.                   | 600     | 1878                  |
| 6                | Amelia I. Sears,                      | 20 Pinckney st.               | 600     | 1873                  |
| 5                | Grace L. Shaw,                        | 248 Medford st.               | 600     | 1892                  |
| 5                | Catherine T. Brown,                   | 61 Myrtle st.                 | 600     | 1868                  |
| 4                | Clara Taylor,                         | 36 Flint st.                  | 600     | 1871                  |
| 3                | Elizabeth L. Marvin,                  | 183 West Canton st., Boston.  | 600     | 1898                  |
| 2                | Louise E. Pratt,                      | 49 Myrtle st.                 | 600     | 1889                  |
| 1                | Minerva L. Mills,                     | 170 Pearl st.                 | 600     | 1897                  |
| 1                | Mattie L. Littlefield,                | 65 Glen st.                   | 500     | 1897                  |
| SANFORD HANSCOM. |                                       |                               |         |                       |
| 4                | <i>Lina F. Bates</i> , Principal,     | 148 Broadway.                 | \$725   | 1897                  |
| 3                | P. M. Pigeon,                         | 31 Warren ave.                | 600     | 1897                  |
| 2                | Carrie A. Pond,                       | 49 Myrtle st.                 | 600     | 1897                  |
| 1                | Helen G. Frye,                        | 43 Sargent ave.               | 600     | 1898                  |
| 1                | Lina E. Dill,                         | 143 Perkins st.               | 600     | 1897                  |
| K'g'n            | Caroline Boardman,                    | 281 Dartmouth st., Boston.    | 600     | 1897                  |
| Ass't            | Josephine M. Kimball,                 | 33 Warren ave.                | 350     | 1897                  |
| DAVIS.           |                                       |                               |         |                       |
| 4                | <i>Frances Meldrum</i> , Principal,   | 6 Highland ave.               | \$675   | 1896                  |
| 3                | Abbie J. Prouty,                      | 45 Greenville st.             | 600     | 1897                  |
| 2                | Carrie T. Lincoln,                    | 41 B Franklin st.             | 600     | 1893                  |
| 1                | P. A. Merritt,                        | 96 Oxford st.                 | 600     | 1885                  |
| EDGERLY.         |                                       |                               |         |                       |
| 9                | <i>Charles E. Brainard</i> , Master,  | 113 Glen st.                  | \$1,900 | 1889                  |
| 9                | Clara B. Cutler,                      | Main st., Bedford.            | 675     | 1892                  |
| 8                | Annie L. Dimpsey,                     | 11 Forster st.                | 600     | 1891                  |
| 7: 8             | Helen E. Blaisdell,                   | 72 Rush st.                   | 600     | 1898                  |
| 7                | Mary E. Richardson,                   | 224 Broadway.                 | 600     | 1893                  |
| 6                | Mabel C. Mansfield,                   | 224 Broadway.                 | 600     | 1893                  |
| 6                | Isabelle M. Gray,                     | 23 Webster st.                | 600     | 1897                  |
| 5                | Harriet E. Roxbury,                   | 70 Glen st.                   | 600     | 1897                  |
| 5                | Mary E. Coyle,                        | 70 Glen st.                   | 600     | 1898                  |
| 4                | Maria A. True,                        | 116 Pearl st.                 | 600     | 1895                  |
| 3                | Alice M. Dearing,                     | 34 Rush st.                   | 600     | 1890                  |
| 2                | Lillian Nealley,                      | 109 Glen st.                  | 600     | 1882                  |
| 1                | Martha M. Power,                      | 37 Gleason st., West Medford. | 600     | 1891                  |
| BINGHAM.         |                                       |                               |         |                       |
| 6                | <i>Harry F. Hathaway</i> , Principal, | 31 Vinal ave.                 | \$1,000 | 1890                  |
| Ass't            | Carrie F. Hathaway,                   | 31 Vinal ave.                 | 360     |                       |
| 5                | Elizabeth J. O'Neil,                  | 505 Broadway.                 | 600     | 1894                  |
| 4                | Mabel E. Perry,                       | 432 Medford st.               | 600     | 1896                  |
| 4                | Harriet F. Ward,                      | 87 Sycamore st.               | 600     | 1895                  |
| 3                | Emma F. Bradley,                      | 7 Buckingham st.              | 600     | 1896                  |
| 2                | Rose O'Loughlin,                      | 8 Washington ave., Stoneham.  | 600     | 1896                  |
| 1: 2             | Alice A. Beckwith,                    | 13 Brastow ave.               | 600     | 1897                  |
| 1                | Mabel E. Mansir,                      | 77 Albion st.                 | 600     | 1891                  |
| Ass't            | Mattie J. Connolly,                   | 12 Cutter st.                 | 275     | 1898                  |



TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898. — *Continued.*

| Grade. | NAME.                                | Residence.                     | Salary. | Beginning of Service. |
|--------|--------------------------------------|--------------------------------|---------|-----------------------|
|        | LUTHER V. BELL.                      |                                |         |                       |
| 9      | <i>Harlan P. Knight</i> , Master,    | 37 Stone ave.                  | \$1,800 | 1897                  |
| 9      | Alice L. Davis,                      | 13 Pleasant ave.               | 675     | 1895                  |
| 8      | Mary F. Lyman,                       |                                | 600     | 1898                  |
| 7      | Nellie S. Dickey,                    | 20 Spring Hill terrace.        | 600     | 1889                  |
| 7      | Grace E. Weeks,                      |                                | 600     | 1899                  |
| 6      | Mabel T. Totman,                     | 11½ Sanborn ave.               | 600     | 1892                  |
| 6      | Maribelle Curtis,                    | 22 Bonner ave.                 | 600     | 1895                  |
| 5      | Emma F. Schuch,                      | 25 Tufts st.                   | 600     | 1874                  |
| 5      | Ada F. Fernald,                      | 12 Miner st.                   | 600     | 1893                  |
| 4      | Ella H. Bucknam,                     | 10 Putnam st.                  | 600     | 1897                  |
| 3      | Edith J. Holden,                     | 25 Lowell st., Reading.        | 600     | 1893                  |
| 2      | Martha E. Daniels,                   | 93 Concord ave.                | 600     | 1891                  |
| 1      | E. Lorette Schuch,                   | 25 Tufts st.                   | 600     | 1882                  |
|        | BENNETT.                             |                                |         |                       |
| 3      | <i>Mary B. Smith</i> , Principal,    | 19½ Alston st.                 | \$675   | 1885                  |
| 2      | Kathryn C. Connolly,                 | 18 Quincy st.                  | 600     | 1897                  |
| 1      | Miriam Cavanagh,                     | 10 Grand View ave.             | 600     | 1893                  |
| 1      | Lila G. Gray,                        | 71 Wallace st.                 | 500     | 1897                  |
|        | CHARLES G. POPE.                     |                                |         |                       |
| 9      | <i>George M. Wadsworth</i> , Master, | 23 Monroe st.                  | \$1,900 | 1891                  |
| 9      | Florence A. Chaney,                  | 68 Warrenton st., Boston.      | 675     | 1892                  |
| 8      | Harriet M. Clark,                    | 10 Vernon st., West Medford.   | 600     | 1893                  |
| 7      | Alice I. Norcross,                   | 26 Russell ave., Watertown.    | 600     | 1885                  |
| 6      | Eleanor M. Varney,                   | 122 Auburn st., Cambridgeport. | 600     | 1897                  |
| 6:7    | Blanche G. North,                    | 8 High st.                     | 600     | 1893                  |
| 6      | Minnie A. Blood,                     | 10 Putnam st.                  | 600     | 1897                  |
| 5      | Lizzie W. Parkhurst,                 | 22 Highland ave.               | 600     | 1885                  |
| 5      | Susan G. Meldrum,                    | 6 Highland ave.                | 600     | 1896                  |
| 4      | Annie G. Sheridan,                   | 84 Prospect st.                | 600     | 1886                  |
| 3      | Lillian S. Albee,                    | 42 Walnut st.                  | 600     | 1888                  |
| 2      | Florence E. Locke,                   | Prospect Hill ave.             | 600     | 1898                  |
| 1      | Ella M. Robinson,                    | 56 Boston st.                  | 600     | 1899                  |
|        | CUMMINGS.                            |                                |         |                       |
| 4      | <i>Lydia J. Page</i> , Principal,    | 21 Webster ave.                | \$675   | 1869                  |
| 3      | Fannie L. Gwynne,                    | 65 School st.                  | 600     | 1886                  |
| 2      | Angeline Cann,                       | Wakefield.                     | 600     | 1897                  |
| 1      | Elizabeth L. Hersey,                 | 50 Richdale ave.               | 600     | 1897                  |
|        | HIGHLAND.                            |                                |         |                       |
| 9      | <i>George E. Nichols</i> , Master,   | 26 Loring st.                  | \$1,900 | 1877                  |
| 9      | M. Alice Paul,                       | 122 Orchard st.                | 675     | 1879                  |
| 8      | Mabel A. Jepson,                     | 232 Elm st.                    | 600     | 1892                  |
| 7:8    | S. Adelaide Blood,                   | Washington st., Ayer.          | 600     | 1882                  |
| 7      | Cora B. Wheeler,                     | 39 Chester st.                 | 600     | 1896                  |
| 7      | Grace M. Clark,                      | 10 Vernon st., West Medford.   | 600     | 1893                  |
| 6      | Mina P. Bickford,                    | Park st., Medford.             | 600     | 1899                  |
| 5      | Jennie C. Frazier,                   | 56 River st., Boston.          | 600     | 1887                  |
| 4      | Sarah E. Pray,                       | 28 Quincy st.                  | 600     | 1878                  |
| 3      | Mary H. Joyce,                       | 76 Boston st.                  | 600     | 1891                  |
| 2:3    | Alice T. McNamara,                   | 34 Newbury st., Boston.        | 600     | 1895                  |
| 1:2    | Jennie M. Horner,                    | 37 Morrison st.                | 600     | 1888                  |
| 1      | Katherine E. Hourahan,               | 12 Grove st.                   | 600     | 1892                  |

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898. — *Continued.*

| Grade.            | NAME.                                | Residence.                      | Salary. | Beginning of Service. |
|-------------------|--------------------------------------|---------------------------------|---------|-----------------------|
| FORSTER.          |                                      |                                 |         |                       |
| 9                 | <i>Fred C. Baldwin</i> , Master,     | 25 Browning road.               | \$1,900 | 1893                  |
| 9                 | Mary E. Bunton,                      | 13 Lee st.                      | 675     | 1894                  |
| 9:8               | Irena S. Nightingale,                | 14 Court st., Arlington.        | 675     | 1895                  |
| 8                 | Minnie L. Burglund,                  | 37 Madison st.                  | 600     | 1895                  |
| 7                 | Fanny E. Jennison,                   | 23 Ames st.                     | 600     | 1896                  |
| 7                 | Sarah L. Copeland,                   | 23 Ames st.                     | 600     | 1896                  |
| 6                 | Elizabeth F. Clement,                | 29 Kidder ave.                  | 600     | 1884                  |
| 5                 | Lucy K. Hatch,                       | 72 Marshall st.                 | 600     | 1892                  |
| 4                 | Elizabeth S. Brown,                  | 9 Parker st., Chelsea.          | 600     | 1897                  |
| 3                 | Maud L. Kent,                        | 18 Maple ave.                   | 600     | 1893                  |
| 3:2               | Annie S. Gage,                       | 32 Marshall st.                 | 600     | 1883                  |
| 2                 | E. Mina Smith,                       | 228 Medford st.                 | 600     | 1896                  |
| 1                 | Grace Shorey,                        | 23 Forster st.                  | 600     | 1892                  |
| 1                 | Mrs. Mary J. Richardson,             | 151 West Canton st., Boston.    | 600     | 1895                  |
| GEORGE W. DURELL. |                                      |                                 |         |                       |
| 4                 | <i>Nora F. Byard</i> , Principal,    | 248 Summer st.                  | \$675   | 1884                  |
| 3                 | Grace A. Bosworth,                   | 50 Brastow ave.                 | 600     | 1894                  |
| 2                 | Edith L. Hunnewell,                  | 9 Mason ave.                    | 600     | 1894                  |
| 1                 | Mary Winslow,                        | 38 Spring st.                   | 600     | 1893                  |
| JACKSON.          |                                      |                                 |         |                       |
| 4                 | <i>Annie E. McCarty</i> , Principal, | 50 Stone ave.                   | \$675   | 1880                  |
| 2                 | Isadore E. Taylor,                   | 36 Flint st.                    | 600     | 1883                  |
| 1                 | Annie L. Savage,                     | 135 Antrim st., Cambridge.      | 600     | 1873                  |
| K'g'n             | Caroline G. Baker,                   | 46 Washington st., Charlestown. | 600     | 1895                  |
| Ass't             | Mattie I. Dayfoot,                   | 196 Medford st.                 | 425     | 1895                  |
| OREN S. KNAPP.    |                                      |                                 |         |                       |
| 9                 | <i>John S. Emerson</i> , Master,     | 95 Summer st.                   | \$1,900 | 1894                  |
| 9                 | Abby C. Hunt,                        | 14 Aldersey st.                 | 675     | 1873                  |
| 8                 | Emma Frye,                           | 6 Hillside park.                | 600     | 1891                  |
| 7                 | C. B. Parkhurst,                     | 22 Highland ave.                | 600     | 1889                  |
| 6                 | Clara B. Sackett,                    | 31 Warren ave.                  | 600     | 1891                  |
| 5                 | Cora F. Taylor,                      | 28 Tudor st., Chelsea.          | 600     | 1896                  |
| 4                 | Annie E. Robinson,                   | 20 Webster ave.                 | 600     | 1876                  |
| 3:4               | Nellie F. Sheridan,                  | 84 Prospect st.                 | 600     | 1888                  |
| 3                 | Abbie A. Gurney,                     | 22 Bonner ave.                  | 600     | 1888                  |
| 2                 | Minnie Alice Perry,                  | 16 Pleasant ave.                | 600     | 1893                  |
| 2                 | L. Gertrude Allen,                   | 230 Washington st.              | 600     | 1884                  |
| 1                 | Lucia Alger,                         | 22 Bonner ave.                  | 600     | 1889                  |
| 1                 | Florence W. Gooding,                 | 24 Pleasant ave.                | 600     | 1896                  |
| 1                 | Erminnie A. French,                  | 356 Moody st., Waltham.         | 600     | 1898                  |
| PROSPECT HILL.    |                                      |                                 |         |                       |
| 5                 | <i>Helen Tincker</i> , Principal,    | 63 Columbus ave.                | \$725   | 1872                  |
| 3                 | Frances A. Wilder,                   | 36 Walnut st.                   | 600     | 1874                  |
| 2                 | Mrs. M. B. McKusick,                 | 50 Highland ave.                | 600     | 1897                  |
| 1                 | Kate L. Wheeler,                     | 39 Chester st.                  | 600     | 1897                  |
| 1                 | Sarah I. Beard,                      | 454 Medford st.                 | 600     | 1895                  |
| K'g'n             | Blanche Seabury,                     | 136 Huntington ave., Boston.    | 600     | 1892                  |
| Ass't             | A. Gertrude Edgerly,                 | 220 Medford st.                 | 350     | 1897                  |

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898.— *Continued.*

| Grade. | NAME.                                | Residence.                         | Salary. | Beginning of Service. |
|--------|--------------------------------------|------------------------------------|---------|-----------------------|
|        | HARVARD.                             |                                    |         |                       |
| 1      | Grace B. Tibbetts,                   | 4 Tenny st., No. Cambridge.        | \$600   | 1890                  |
|        | JACOB T. GLINES.                     |                                    |         |                       |
| 9      | Mary E. Northup, Master,             | 181 Central st.                    | \$1,900 | 1878                  |
| 9      | Mary E. Stiles,                      | 181 Central st.                    | 675     | 1883                  |
| 8      | M. Eva Warren,                       | 29 Evergreen ave.                  | 600     | 1898                  |
| 7      | Nellie E. Briggs,                    | 432 Medford st.                    | 600     | 1898                  |
| 6      | Ellen A. Boynton,                    | 15 Evergreen ave.                  | 600     | 1891                  |
| 5      | M. Frances Gupstill,                 | 75 Franklin st., Melrose Highlands | 600     | 1869                  |
| 4: 5   | Margaret A. Orr,                     | 148 Warren ave., Boston. *         | 600     | 1891                  |
| 4      | Mary A. Goddard,                     | 9 Winter Hill Circle.              | 600     | 1893                  |
| 3      | Anna G. Welch,                       | 324 Main st., Stoneham.            | 600     | 1897                  |
| 3      | Florence E. Baxter,                  | 49 Hudson st.                      | 600     | 1891                  |
| 2      | Flora B. Rice,                       | 15 Evergreen ave.                  | 600     | 1895                  |
| 2      | Mrs. Laura M. Lamont,                | 90 Marshall st.                    | 600     | 1895                  |
| 1      | Belle J. Tift,                       | 7 Lee st.                          | 600     | 1892                  |
| 1      | Gertrude F. Brown,                   | 374 Medford st.                    | 600     | 1897                  |
| K'g'n  | Mrs. Etta D. Ellsworth,              | 110 Newbury st., Boston.           | 600     | 1897                  |
| Ass't  | Emma E. Norcross,                    | 60 Marshall st.                    | 425     | 1899                  |
|        | MORSE.                               |                                    |         |                       |
| 9      | Mina J. Wendell, Master,             | 211-A Summer st.                   | \$1,900 | 1882                  |
| 9      | Emily J. Gifford,                    | 48 Quincy st.                      | 600     | 1895                  |
| 8      | P. S. Downes,                        | 30 Wallace st.                     | 600     | 1872                  |
| 7      | Alice E. Jones,                      | 70 Central st.                     | 600     | 1897                  |
| 7      | Mrs. Louise B. Hardy,                | 210 Summer st.                     | 600     | 1898                  |
| 6      | Anna E. Sawyer,                      | 26 Bow st.                         | 600     | 1872                  |
| 5      | Kara M. Johnson,                     | 52 Kirkland pl., Cambridge.        | 600     |                       |
| 5      | Lizzie E. Hill,                      | 100 Porter st.                     | 600     | 1891                  |
| 4      | Anna C. Damon,                       | 63 Preston st.                     | 600     | 1879                  |
| 3      | Helen M. Mead,                       | 100 Porter st.                     | 650     | 1893                  |
| 2      | Ella P. McLeod,                      | 6 Summer st.                       | 600     | 1888                  |
| 1      | Ardelle Abbott,                      | 71 Craigie st.                     | 600     | 1897                  |
| 1      | Alice M. Emerson,                    | 146 Highland ave.                  | 600     | 1891                  |
| Ass't  | Florence A. Holmes,                  |                                    | 275     | 1897                  |
|        | MARTIN W. CARR.                      |                                    |         |                       |
| 9      | Charles G. Ham, Master,              | Watertown                          | \$1,900 | 1898                  |
| 9      | Blanche E. Townsend,                 | 205 Highland ave.                  | 675     | 1898                  |
| 8      | Anne E. Bragdon,                     | 21 Harvard st.                     | 600     | 1898                  |
| 7      | Jennie E. Sutherland,                |                                    | 600     | 1898                  |
| 6      | Harriet A. Hills,                    | 41 Belmont st.                     | 600     | 1874                  |
| 6      | Marie T. Smith,                      | 8 Day st.                          | 600     | 1898                  |
| 5      | Marion P. Crawford,                  | 63 Preston st.                     | 600     | 1897                  |
| 5      | Susie L. Luce,                       | 89 Pearl st.                       | 600     | 1896                  |
| 4      | Mary A. Haley,                       | 117 Summer st.                     | 600     | 1867                  |
| 4      | Mabel A. Mann,                       | 88 Chelsea st., Everett.           | 600     | 1898                  |
| 3      | Florence B. Howland,                 | 56 Boston st.                      | 600     | 1897                  |
| 3      | Charlotte M. Jepson,                 | Watertown.                         | 600     | 1898                  |
| 2      | Bessie A. Dadmun,                    | 48 Oxford st.                      | 600     | 1897                  |
| 1: 2   | Elizabeth S. Foster, Critic Teacher, | 205 Highland ave.                  | 750     | 1895                  |
| Ass't  | Ida M. Record,                       | 45 Greenville st.                  | 200     | 1898                  |
| "      | Amy W. Freeman,                      | 49 Marshall st.                    | 200     | 1898                  |
| "      | Ethel F. Morang,                     | 10 Fairlee st.                     | 200     | 1898                  |
| "      | Clara B. Hegan,                      | 100 School st.                     | 200     | 1898                  |
| "      | Nellie F. Bray,                      | 45 Bradley st.                     | 200     | 1898                  |
| "      | Almena J. Mansir,                    | 77 Albion st.                      | 200     | 1898                  |

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1898.— *Continued.*

| Grade.            | NAME.                                   | Residence.                   | Salary. | Beginning of Service. |
|-------------------|---|------------------------------|---------|-----------------------|
| CEDAR-STREET.     |   |                              |         |                       |
| 3:2               | <i>Elizabeth A. Davies</i> , Principal, | 37 Meacham st.               | \$625   | 1893                  |
| 1                 | Mary E. Lacy,                           | 63 Cherry st.                | 600     | 1890                  |
| BURNS.            |   |                              |         |                       |
| 4                 | <i>Laura J. Brooks</i> , Principal,     | 31 Stevens st., Stoneham.    | \$700   | 1883                  |
| 3                 | Minnie S. Turner,                       | 153 Lowell st.               | 600     | 1885                  |
| 2                 | A. L. Brown,                            | 231 Summer st.               | 600     | 1885                  |
| 1                 | Florence M. Hamlin,                     | 128 Orchard st.              | 600     | 1889                  |
| LINCOLN.          |   |                              |         |                       |
| 4                 | <i>J. Louise Smith</i> , Principal,     | 36 Hamilton ave., Lynn.      | \$675   | 1896                  |
| 3                 | Charlotte F. Mott,                      | 15 Pinckney st., Boston.     | 600     | 1886                  |
| 2                 | Grace A. Hutchins,                      | 12 Winter st.                | 600     | 1897                  |
| 1                 | Eliza H. Lunt,                          | 50 Curtis st.                | 600     | 1890                  |
| WM. H. HODGKINS.  |   |                              |         |                       |
| 9                 | <i>Arthur L. Doe</i> , Master,          | 78 Chandler st.              | \$1,900 | 1896                  |
| 9                 | Alice M. Winslow,                       | 53 Chester st.               | 675     | 1896                  |
| 8                 | Edith W. Emerson,                       | Arlington.                   | 600     | 1896                  |
| 7                 | Alice S. Hall,                          | Arlington.                   | 600     | 1896                  |
| 6                 | Mrs. Gertrude W. Leighton,              | 21 Cottage ave.              | 600     | 1896                  |
| 5                 | Flora A. Burgess,                       | 183 Ash st., Waltham.        | 600     | 1894                  |
| 5                 | Mrs. N. Agnes White,                    | 53 Chester st.               | 600     | 1896                  |
| 4                 | Helen A. Wooster,                       | 37 Meacham st.               | 600     | 1898                  |
| 3                 | Katherine M. Fox,                       | Franklin st., Stoneham.      | 600     | 1896                  |
| 2                 | Berthe M. Jones,                        | 54 Paulina st.               | 600     | 1894                  |
| 1                 | Mrs. Marion I. Noyes,                   | 16 Winter st.                | 600     | 1896                  |
| 1                 | Maud M. Hartwell,                       | 21 Cottage ave., Somerville. | 600     | 1893                  |
| K'g'n             | Gertrude Friend,                        | 5 Irving st.                 | 600     | 1893                  |
| Ass't             | Etta M. Cushing,                        | 3 Thurston st.               | 425     | 1896                  |
| SPECIAL TEACHERS. |   |                              |         |                       |
| MUSIC.            |   |                              |         |                       |
| 9.7               | S. Henry Hadley, 4 days,                | 46 Pearl st.                 | \$1,500 | 1869                  |
| 6.1               | Charlotte D. Lawton, 5 days,            | 13 Sanborn ave.              | 900     | 1898                  |
| DRAWING.          |   |                              |         |                       |
| 9.1               | Mary L. Patrick,                        | Newtonville.                 | \$1,000 | 1895                  |
| SEWING.           |   |                              |         |                       |
| 8.5               | Mary L. Boyd,                           | 97 Sycamore st.              | \$600   | 1888                  |
| 8.5               | Sarah I. Stanton,                       | 211 Summer st.               | 600     | 1895                  |
| Ass't             | Etta L. Yelland,                        | 5 High st.,                  | 300     | 1897                  |
| PENMANSHIP.       |   |                              |         |                       |
| 9.1               | William A Whitehouse,                   | 94 Summer st.                | \$1,200 | 1895                  |



TABLE 31.—OFFICERS IN SERVICE DECEMBER, 1898.— *Concluded.*

|  | NAME.   | Residence.                      | Salary.       | Beginning<br>of Service. |
|--|---|---------------------------------|---------------|--------------------------|
|  | SUPERINTENDENT.<br>Gordon A. Southworth,            | 40 Greenville st.               | \$3,000       | 1893                     |
|  | CLERK.<br>Eleanor L. Hannay,                        | 193 Pearl st.                   | \$650         | 1897                     |
|  | TRUANT OFFICERS.<br>Lemuel H. Snow,<br>Jairus Mann, | 81 Benton ave.<br>80 Porter st. | \$1,000<br>50 | 1886<br>1872             |

TABLE 32. — SCHOOL JANITORS.

| SCHOOL.              | Name.                  | Residence.        | Salary. |
|----------------------|------------------------|-------------------|---------|
| Latin High, S        | Joseph Young           | 51 Oxford st.     | \$1,000 |
| English High, S      | H. B. Sellon           | 9 Stickney ave.   | 1,500   |
| Prescott, S, 12      | Frederick A. Mansfield | 23 Rossmore       | 830     |
| Edgerly, S, 12       | David G. Marston       | 20 Everett ave.   | 830     |
| Davis, F, 4          | N. L. Pennock          | 54 Putnam st.     | 320     |
| Bell, S, 12          | F. S. Dickinson        | 1 Putnam st.      | 830     |
| Cummings, F, 4       | William T. Higgins     | 1 Avon st.        | 315     |
| Knapp, S & F, 13     | Bernard F. Sheridan    | 84 Prospect st.   | 830     |
| Pope, F, 12          | Hiram A. Turner        | 16 Gibbens st.    | 830     |
| Prospect Hill, F, 6  | Edward T. Peterson     | 18 Stone ave.     | 420     |
| Bennett, St., 4      | Alfred Shiner          | Schoolhouse       | 165     |
| Jackson, St., 4      | Albert Shiner          | Schoolhouse       | 174     |
| Forster, S, 13       | James L. Whitaker      | 146R Sycamore st. | 865     |
| Glines, S, 14        | Roy C. Burckes         | 249 School st.    | 950     |
| Bingham, S, 8        | John F. O'Brien        | 5 Richardson st.  | 500     |
| Morse, F, 12         | Charles Gale           | 10 Brastow ave.   | 830     |
| Durell, S, 4         | Edward Boyd            | 4 Aldrich st.     | 80      |
| Harvard, St., 1      | Mrs. Nora Healey       | 11 Dimick st.     | 120     |
| Burns, S, 4          | Charles Weston         | 23 Conwell st.    | 420     |
| Cedar-street, St., 2 | Mrs. C. N. Porter      | 611 Broadway      | 125     |
| Highland, F, 12      | E. P. Cook             | 241 Elm st.       | 770     |
| Lincoln, S, 4        | E. S. Haradon          | 29 Claremon st.   | 480     |
| Hodgkins, S, 12      | Andrew B. Colesworthy  | 35½ Day st.       | 890     |
| Hanscom, S, 6        | Albert Gilman          | 44 Lake st.       | 80      |
| Carr, S, 15          | James W. Rich          | 206 Highland ave. | 1,080   |

Buildings heated by steam are marked "S," by furnace "F," by stove "St." The numbers show the number of rooms.

The high schools are heated by a single plant in Latin building.



### APPENDIX III.





RULES OF THE SCHOOL COMMITTEE  
AND  
GENERAL REGULATIONS  
OF THE  
PUBLIC SCHOOLS  
OF THE  
CITY OF SOMERVILLE  
MASSACHUSETTS

---

ADOPTED JUNE, 1896

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WITH AMENDMENTS TO JANUARY, 1899





# RULES

OF THE

## BOARD OF SCHOOL COMMITTEE.

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### CONSTITUTION OF THE BOARD.

By the terms of the Charter of the City of Somerville, the Board of School Committee consists of the Mayor, who is *ex officio* the Chairman of the Board, the President of the Common Council, and three members from each ward of the city.

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### ORGANIZATION OF THE BOARD.

SECTION 1. The Board of School Committee of the City of Somerville shall organize annually on the second Monday **Time.** of January.

2. The organization shall proceed as follows : **Order.**

1. Reading by Chairman of credentials of new members.
2. Election by ballot of permanent secretary.
3. The appointment by the Chairman of a committee of one member from each ward to nominate the Standing Committees of the Board.
4. Election of the Standing Committees of the Board.
5. Transaction of other business.



3. The Standing Committees of the School Board shall be as follows, and shall consist of one member from each ward, except as hereinafter provided. **Standing Committees.**

1. On Additional School Accommodations.
2. On Schools in the Several Districts, to consist of the members representing said districts.
3. On Evening Schools.
4. On Finance.
5. On the Latin High School, to consist of five members.
6. On the English High School, to consist of five members.
7. On Industrial Education.
8. On Music.
9. On Private Schools.
10. On Repairs of School Buildings.
11. On Rules and Regulations.
12. On Salaries.
13. On Supplies.
14. On Text-Books and Courses of Study, to consist of two members from each ward.

The Chairman of the Board and the President of the Common Council shall be *ex-officiis* Members of the Standing Committee of the district in which they respectively reside. **Ex-officiis Members.**

The member first named on any Standing or Special Committee shall be Chairman thereof. **Chairman.**

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#### MEETINGS OF THE BOARD.

4. The regular meetings of the Board shall be held at eight o'clock in the afternoon of the last Monday of each month, excepting July. Whenever a regular meeting **Regular Meetings.**

comes upon a holiday, the date of such meeting shall be changed at the regular meeting of the preceding month.

5. Special meetings shall be called by the Secretary by the direction of the Mayor or at the written request of **Special** three members of the Board. No business shall be **Meetings.** transacted at such meetings except that which shall be specified in the call therefor.

6. Eight members shall constitute a quorum for the transaction of business, but a smaller number may vote **Quorum; eight** to call the roll, record the names of absentees, and **votes elect.** adjourn to a fixed date. Eight votes shall be necessary for the election of any officer or employee of the Board.

7. All meetings shall be open to the public except when the Board votes to go into executive session. **Open to Public.**

8. At all regular meetings of the Board business shall proceed in the following order:— **Order of Business.**

1. Reading the record of the previous meeting.
2. Action upon bills.
3. Report of the Truant Officer.
4. Reports of Committees.
5. Report of Superintendent.
6. Reading of communications.
7. Nominations and elections.
8. Unfinished business.
9. New business.

9. Any rule or regulation of the Board may be **Suspension** temporarily suspended at any meeting by a vote of **of Rules.** two thirds of the members present.

10. The rules and regulations may be amended or repealed at any meeting by a vote of the majority of the whole **Amendment** Board, provided written notice of such proposed action **of Rules.** shall have been given at a previous meeting and the subject

duly considered and reported upon in writing by the Committee on Rules and Regulations.

11. The conduct of the meetings and business of the Board shall be in accordance with the rules of parliamentary practice laid down in "Cushing's Manual." **Questions of Order.**

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### DUTIES OF OFFICERS AND COMMITTEES.

12. The Mayor of the city, with the title of Chairman of the Board of School Committee, shall, when present, preside at all meetings of the Board; in his absence, the President of the Common Council shall preside. When **Presiding Officer.** neither the Mayor nor the President of the Common Council is present, the senior member in point of consecutive service shall preside.

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### DUTIES OF SECRETARY.

13. The Secretary shall give to every member of the Board at least forty-eight hours' notice of each meeting. He shall promptly notify each member of a Special Committee of his appointment, and furnish him the names of other members of the committee. He shall furnish the Chairman of each committee whatever orders, documents, or information may be needed for the prosecution of the business of the committee. **Notice of Meetings and Membership of Committees.**

14. He shall attend all meetings of the Board and, when requested, all sub-committee meetings, and record all the votes, orders, and proceedings of the same in a permanent record-book. He shall keep on file in his office all reports, communications, papers, and documents relating to the business of the Board or belonging to it. **Records.**

**15.** He shall promptly notify teachers and other employees of the Board of their election and of any changes in the management of the schools. **Notice of Election.**

**16.** He shall examine all bills presented to the Board for approval, and, if found correct, approve the same. He shall make out and attest the pay-rolls for the salaries of all persons employed by the Board and for the contingent expenses of the schools. He shall keep a full and accurate account of all expenditures of the Board, which shall always be open to the inspection of its members. **Approval of Bills. Accounts.**

**17.** He shall prepare the annual returns and certificates to be transmitted to the Secretary of the Board of Education as required by law. He shall perform such other duties as may be required of him by the Board or any of its committees. **Annual Returns.**

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#### DUTIES OF STANDING COMMITTEES.

**18.** It shall be the duty of the several Standing Committees to give special attention to the departments to which they are assigned, and to advise with the Superintendent and the Board in relation to the same. Each Standing Committee having charge of any department for the requirements of which the expenditure of money is necessary, shall annually in the month of January submit to the Committee on Finance an estimate in writing of the amount required by said department for the current financial year. **General Duties. Annual Estimates.**

**19.** The Committee on Additional School Accommodations shall, as frequently as necessary, consider and report upon all demands for new school buildings, and recommend to the School Board suitable sites for the same. **New Buildings.**



**20.** The several District Committees shall have the immediate direction of the schools in their respective districts. It shall be their duty to give advice to the teachers of their respective schools relative to discipline and other subjects requiring counsel; and in case of any difficulty between teachers and parents or guardians of the pupils, they shall settle the same in such a manner as the merits of the case may seem to require, not denying any parent, guardian, or teacher an appeal to the whole Board. When the office of teacher in any school shall become vacant, they shall, in consultation with the Superintendent and Super-  
District Committees.  
Vacancies,  
how filled.

Standing Committees in the several districts may make such transfers of teachers in their respective districts as in their judgment will secure the best interests of the schools under their care.  
Transfers of Teachers.

The Chairmen of the several District Committees shall make all arrangements for the annual graduation exercises of the grammar schools.  
Graduation Exercises.

**21.** The Committee on Evening Schools shall have the general supervision of the evening schools as provided in the General Regulations, and shall appoint teachers for them as they are needed.  
Evening Schools.

**22.** The Committee on Finance shall examine and approve the pay-rolls of all bills approved by the School Committee, and consider and report upon every proposition requiring the expenditure of money, before such proposition is finally acted upon by the Board, except for salaries and ordinary school supplies. Annually, in January, they shall prepare a written estimate of the amount of money required for the support of the public schools during the  
Pay-rolls and Finance.  
Estimate.

current year, and shall submit the same to the School Board for approval and reference to the City Council.

**23.** The Committees on High Schools shall perform the same duties and observe the same rules in reference **High Schools.** to these schools as are prescribed for the District Committees in the supervision of the grammar and primary schools. They shall direct the annual graduation exercises of these **Graduation Exercises.** schools, and shall examine and approve the questions prepared by the Superintendent for the examination of applicants for admission to them.

**24.** The Committee on Industrial Education shall have general supervision of the several branches of Manual **Industrial** Training and Art Education, including Drawing and **Education.** Penmanship. They shall also have charge of the department of Physical Culture.

**25.** The Committee on Music shall exercise general supervision over this department of instruction in all **Music.** the schools.

**26.** The Committee on Private Schools shall obtain all needful information concerning the character and **Private** efficiency of private schools, wherein are taught **Schools.** children between the ages of eight and fourteen years, in conformity to the laws of the Commonwealth, and shall report to the Board from time to time the results of their investigations. They shall nominate Truant Officers and Perma- **Nominations.** nent Substitutes for election by the Board.

**27.** The Committee on Repairs of School Buildings shall visit the several school buildings near the close of each school year for the purpose of ascertaining what repairs and **Repairs.** improvements are needed, and submit a written report and recommendations for the consideration and approval of the Board.

28. The Committee on Rules and Regulations shall consider all proposed changes of the Rules and Regulations, and report in writing at a subsequent meeting of the Board. **Rules and Regulations.**

29. The Committee on Salaries shall consider all propositions for change in the salaries of teachers and officers, and shall report in writing such recommendations concerning the same as they may deem expedient. This committee shall examine the pay-rolls of salaries of all persons in the service of the School Committee, and approve such as are found correct. **Salaries and Pay-rolls.**

30. The Committee on School Supplies shall have the exclusive authority to provide all stationery, blanks, cards, printing, record-books, diplomas, books for the use of teachers and pupils, globes, maps, charts, and all other articles required for the use of the Board, its officers, or the schools. They shall examine all bills to be paid from the school contingent appropriation, and submit to the Board for its approval such as are duly authorized. **Supplies and Bills therefor.**

31. The Committee on Text-Books and Courses of Study shall consider every proposition involving a change in text-books or in courses of study. Reports shall be made in writing at the next regular meeting of the Board, and may be amended by a majority vote of the members present; but no change of text-books shall be made, and no text-book shall be adopted, except by a two-thirds vote of the Board, notice of the intended change having been given at a previous meeting. Annually, the Committee on Text-Books and Courses of Study shall examine the courses of study pursued in the schools, and shall recommend to the Board at the meeting in May such changes in text-books and instruction as they may deem expedient. **Text-Books. Courses of Study.**



Any book of reference, globe, map, or chart may be adopted by a majority vote of the Board after examination and report thereon by the committee on text-books.

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## DUTIES OF SUPERINTENDENT.

**32.** The Superintendent of Public Schools shall be elected annually by ballot at the regular meeting in February, or **Election.** whenever a vacancy occurs.

**33.** The Superintendent shall be the advisory and executive officer of the Board, and under its direction and control shall have the care and supervision of all the public schools. **Supervision of Schools.** He shall direct and supervise the same in conformity with the courses of study and the rules and regulations of the Board, and shall see that all regulations and orders of the Board are carried into effect.

**34.** He shall visit each school as often as practicable, and carefully examine its condition. He shall advise with **Visitation.** teachers as to the best methods of instruction and discipline, and for this purpose may hold meetings of teachers at such times as he may deem advisable.

**35.** He shall pay particular attention to the classification of pupils, that there may be as far as practicable a **Classification** uniform course of instruction and system of discipline in the different schools of the same grade. In consultation with the Principal he shall have the direction of the transfers of children from one school to another of the same grade. In **Transfers of Pupils.** making transfers he shall duly consider the numbers in the schools and the residence of children, consulting the appropriate sub-committees in doubtful cases.

**36.** He shall see that the schools are supplied with all needed text-books, blanks, registers, record-books, **Supplies.**

maps, charts, stationery, diplomas, report cards, and other articles furnished by the Board for their use. He shall see that all statistical reports are properly made by **Reports.** Principals, and receive and record the same. He **Directory.** shall prepare a directory of the schools, containing the names of sub-committees, teachers, schools, etc., at the beginning of each school year.

**37.** The Superintendent shall attend all meetings of the Board, except when his election is under discussion, **Attendance at** and, when called upon through the Chairman, shall **Meetings.** express his opinion on any topic under consideration.

**38.** When requested by the Board he shall report upon the condition of the schools, and make such suggestions relating to their efficiency and usefulness as he may **Report of** consider desirable. Annually in the month of **Superintendent** December he shall prepare and present to the **and** School Board. Board a detailed report of the condition of the schools, accompanied by suitable statistical tables and suggestions, which may be adopted by the Board as its annual report required by statute.

**39.** He shall keep a list of applicants for schools, and a record of such facts as may be known to him respecting their character, experience and qualifications, and **Applicants** shall recommend to the proper committees teachers for nomination. He shall fill all vacancies occasioned by the temporary absence of teachers not otherwise provided for, **for Schools.** **Vacancies.** and make other temporary arrangements relative to the schools which he may consider needful, and report the same to the proper committees.

**40.** He shall from time to time inspect the grounds, buildings, furniture and apparatus belonging to the **Inspection of** schools, and report to the Board any defects in the **Buildings.**



same which may impair the health of pupils and teachers, or interfere with the efficiency of the schools.

**41.** He shall at his discretion in very stormy weather, strike the signal on the fire-alarm bells for the **Storm Signal.** omission of the next session of the schools.

**42.** He shall issue certificates of the age and school attendance of children under sixteen years of age **Employment** who desire employment in manufacturing or mer- **Certificates.** cantile establishments and shall co-operate with the proper authorities in securing the observance of the law concerning the employment of children.

**43.** The Superintendent shall devote his entire time to the service of the City. He shall have his office at a suitable place approved by the Board, and shall establish suitable **Office Hours.** office hours. He shall be in attendance therein at least one hour of each secular day during the school year. He **Clerk.** shall employ such clerical assistance as may be necessary, subject to the approval of the Board.

**44.** All votes and directions of the Board affecting pupils, parents, or teachers shall be communicated through the Superintendent. In all matters where his duties are not **Notices of** definitely prescribed he shall exercise his discretion, **Votes of Board.** subject to the approval of the Board. He shall, when requested, render any advice or aid to any Standing Committee and perform such other duties as the Board may from time to time direct.

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#### DUTIES OF TRUANT OFFICERS.

**45.** The Board shall elect annually, at the meeting in April, two truant officers. One of the officers shall **Election.** devote his whole time during the school year to the duties of his office, under the direction of the Superintendent.

**46.** The Truant Officer shall enforce all ordinances of the City and statutes of the Commonwealth in relation to truant children, absentees from school, and such children as persistently violate the reasonable rules and regulations of the common schools. **To enforce Ordinances.**

**47.** Upon request of a teacher, duly made upon truant cards provided for the purpose and countersigned by the Principal, the acting Truant Officer shall investigate the absence of any child thought to be a truant, take such action as he may think proper, and report the facts to the Principal. He shall not be employed to investigate the absence of pupils who are not suspected of truancy. **Investigation of Truancy.**

**48.** Under the direction of the Chairman of the respective District Committees, one of the truant officers shall make complaint before the court having jurisdiction thereof against every person who violates the laws of the Commonwealth relating to the attendance of children in the schools, and also against all habitual truants and children between seven and sixteen years of age who may be found wandering about the streets or public places of the city, having no lawful occupation or business, not attending school and growing up in ignorance, and such children as persistently violate the reasonable rules and regulations of the public schools. **Prosecution of Truants, etc.**

**49.** The acting Truant Officer shall visit and inspect all factories, workshops, and mercantile establishments within the limits of the city at least once in every three months, beginning in September, to ascertain whether there is any violation of the statutes relating to the employment of children therein. He shall report any cases of such illegal employment to the School Committee and to the Chief of District Police or the Inspector of Factories for the district. **Inspection of Factories, etc.**

**50.** Annually in the month of September the school census shall be taken as provided by the Public Statutes. **Annual Census.**

**51.** He shall make a written report of his doings each month to the School Board, exercise a general care and oversight of school premises, especially when schools are not in session, render such service in connection with the evening schools as may be required by the Committee on Evening Schools, and perform such other duties as the Board may from time to time direct. **Reports. Oversight of School Premises.**

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#### ELECTION AND SALARIES OF TEACHERS.

**52.** Teachers of High, Grammar, and Primary Schools, and supervisors of departments, and other employees of the Board shall be nominated by the Standing Committee having charge of the same. **Nominations.**

**53.** Teachers, Supervisors, and Truant Officers shall be elected annually by ballot at the regular meeting in April, eight votes being necessary to a choice. Any vacancy occurring during the year may be filled at any meeting of the Board. The Secretary shall forthwith give written notice to each person elected, who shall be requested to notify the Secretary of his acceptance within ten days from the date of the notice. Such election and acceptance shall be subject to the provision of the public statutes that the Board may dismiss from employment any teacher whenever it may think proper. **Time of Election. Notice of Election. Dismissal of Teachers.**

**54.** Unless otherwise specified, all elections shall be for the school year or remainder of the school year following the election. Teachers intending to resign are required to give the Secretary written notice four weeks (exclusive of vacations) before the resignation takes effect. **Resignations.**



All salaries shall be established at the time of election. The Superintendent, Secretary, Truant Officers, and **Salaries,** Superintendent's Clerk shall be paid one twelfth of **when paid.** their annual salaries each month. The salaries of Teachers shall be payable monthly for each week of actual service.

Regular teachers who are absent from school on account of personal illness, or who are absent not more than **Absence** three days on account of the death of either of the **of Teachers.** following members of their immediate family, to wit:—a parent, child, brother, sister, husband, or wife,—shall suffer no loss of pay, provided such absence does not aggregate more than five days in any school month or fifteen days in a school year. Absence in excess of the above periods, or from any other cause, shall be without pay.

**55.** There shall be elected annually at the April meeting, not exceeding three teachers to serve as regular **Permanent** substitutes whenever and wherever they may be **Substitutes.** needed. These teachers shall be under the direction of the Superintendent in consultation with the several District Committees.

**56.** The salaries paid to Teachers and other em- **Schedule of** ployees of the Board shall be in accordance with **Salaries.** the following schedule:—

*High Schools.*—Teachers in the high schools are designated as head masters, masters, sub-masters, junior sub-masters, and first, second, and third assistants.

| Title.                | Minimum. | Maximum. | Annual Increase. |
|-----------------------|----------|----------|------------------|
| Head Master . . .     | \$2,300  | \$2,500  | \$50             |
| Master . . .          | 1,800    | 2,000    | 50               |
| Sub-Master . . .      | 1,200    | 1,700    | 50               |
| Junior Sub-Master . . | 1,000    | 1,300    | 50               |
| First Assistant . .   | 1,000    | 1,200    | 50               |
| Second Assistant . .  | 900      | 1,000    | 50               |
| Third Assistant . .   | 750      | 900      | 50               |

*Grammar and Primary Schools.*—Teachers in grammar and primary schools are designated as masters, principals, first, second, and third assistants.

| Title.                  | Minimum. | Maximum. | Annual Increase. |
|-------------------------|----------|----------|------------------|
| Masters . . .           | \$1,800  | \$1,900  | \$ 50            |
| First Assistants . . .  | 675      | 675      |                  |
| Second Assistants . . . | 300      | 600      | 100              |
| Third Assistants . . .  | 200      | 425      | 75               |
| Kindergartners . . .    | 300      | 600      | 100              |

Principals of 8-room buildings, \$1,000.

Principals of smaller buildings, \$600, with \$25 additional for each room supervised.

Principals of 4-room buildings with 6th or 7th grade, \$700.

*Special Instructors.*—Music. In the high schools and upper grammar grades, \$1,500 for four days' work per week, together with all instrumental and sheet music required for the graduation exercises of the grammar and high schools.

In the lower grammar and primary grades, \$900.

Supervisor of Drawing, \$900 minimum; \$1,000 maximum; \$100 annual increase.

Teachers of Sewing, \$600.

*Substitutes.*—Permanent substitutes, \$600.

Temporary substitutes of 1 or 2 years' experience, \$1.50 per day.

Temporary substitutes of 3 or 4 years' experience, \$2.00 per day.

Temporary substitutes of 5 or more years' experience, \$2.50 per day.

Temporary substitutes in high schools or 9th grade, \$3.00 per day.

*Officers.*—Superintendent, minimum, \$2,500; maximum, \$3,000; annual increase, \$100.



|                                  |        |
|----------------------------------|--------|
| Superintendent's Clerk . . . . . | \$ 650 |
| First Truant Officer . . . . .   | 1,000  |
| Second Truant Officer . . . . .  | 50     |

The increase of salaries shall commence at the monthly period of payment next succeeding the end of each year of service.

**57.** District Committees may at their discretion appoint third assistants in primary or grammar schools having **Third** a membership of more than fifty-six pupils or in **Assistants.** kindergartens with a membership exceeding thirty. If such assistants are without experience or special training they shall receive no pay for their first year of service. For their second year of service they shall receive \$200, with an annual increase of \$75 thereafter until a maximum of \$425 shall be reached. But if said assistants are normal or training-school graduates, they shall receive for their first year of service \$275, with an annual increase of \$75 until a maximum of \$425 is reached.

A service of at least thirty weeks shall be required to constitute a year's work.

Salaried third assistants shall receive no increase of pay for substituting.

In determining the pay of third assistants or of substitutes, a single year at a normal school shall be considered equivalent to a year of teaching experience.

In determining the pay of a substitute or of a regular teacher, graduation at a normal school shall be considered equivalent to a year of teaching experience.

When a third assistant is elected to the position of second assistant, she shall receive the salary in the schedule for second assistants which is next larger than that which she last received as third assistant.

58. The Committee on Evening Schools is empowered to appoint teachers for these schools and to fix **Evening School Teachers.** their salaries, subject to revisory action by the Board and the Regulations provided for these schools.

59. No person not now in the service of the Board shall be eligible to election to any position connected **Training or Experience Required.** with the schools who has not had professional training or suitable experience in the line of work which he is to teach or supervise.

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#### SPECIAL INSTRUCTORS.

60. At the regular meeting in April there shall be elected special instructors in music, drawing, sewing, **Election.** and such other special branches as the Board may hereafter determine, who shall hold office for one year unless sooner discharged by the Board.

61. They shall be subject to all the regulations of the Board relating to regular teachers, unless it is **Subject to Rules.** otherwise provided.

62. Instruction in music shall be given in all the schools, and no pupil shall be excused from this study except **Musical Instruction.** by permission of the Chairman of the Committee on Music, or the Superintendent.

In all the grades below the high schools, instruction in this study shall be given by the regular teacher under the direction of the special instructor. In the high schools the musical instruction shall be given entirely by the special teacher.

63. Instruction in drawing shall be given in all grades of the grammar and primary schools, and in the English **Drawing.** High School. It shall be an optional study only in the three upper classes of the high school.

In all grades below the high school, instruction in drawing shall be given by the regular teacher, under the **By Whom Taught.** direction of the supervisor of drawing. In the English High School, drawing shall be taught by special instructors, appointed for the purpose.

**64.** Instruction in sewing shall be given in the fifth, sixth, seventh, and eighth grades of the schools, by special **Sewing.** teachers appointed for the purpose.

**65.** Instruction in cooking, woodworking, and physical training may be given by special teachers, in such **Cooking, etc.** schools and in such grades as may be designated by the Board.

**66.** Instruction in any of the special branches may be extended or restricted in the schools at any time, **Special Instruction.** by a majority vote of the Board, on recommendation of the special committee in charge.

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#### DUTIES OF PRINCIPALS.

**67.** Principals are responsible for the enforcement of the regulations of the Board and for the general discipline of the schools in their respective buildings, and are **Responsibility and** invested with authority to make such rules, not **Authority.** inconsistent with these regulations, and require such co-operation of the other teachers as may in their opinion be needful for the successful conduct of their schools. They shall themselves be subject to all regulations of the Board relating to teachers.

**68.** They shall exercise a vigilant supervision over their respective buildings and grounds and see that they **Supervision of** are kept in a neat and wholesome condition. Any **Buildings and** continued neglect of duty on the part of janitors **Janitors.** they are to report to the Superintendent of Janitors. Defects in the heating or sanitary arrangements of the building and

needful repairs are to be reported to the Superintendent of Schools.

**69.** They shall receive all applications for admission to their schools, assign each pupil to his proper class, and use their best efforts to secure regularity of attendance and to prevent truancy. **Admission and Assignment of Pupils.**

**70.** They shall order from the Superintendent, on blanks provided for the purpose, whatever text-books and supplies may be needed in their schools, take charge of the same when received, and see that they are properly cared for and economically used by the teachers. **Supplies Ordered.**

**71.** They shall carefully record the absences of their teachers and the times during which substitutes are employed, and send a report of the same to the Superintendent at the end of each school month. **Time Reports.**

**72.** Principals are responsible for the correctness of teachers' registers and shall examine them each month. They shall make such returns and reports as may be requested from time to time by the Board. **Registers.**

**73.** They shall see that all teachers in their buildings are provided with a copy of these regulations, and are immediately informed of any changes in them and of any directions for the management of their schools issued by the Board or the Superintendent. They shall see that all rules and directions are uniformly interpreted. **Changes in Rules.**

**74.** They shall give such instructions to teachers and pupils as will enable them to act prudently and promptly in case of fire or other emergency, and shall train the pupils to leave the building in order, and speedily, on the striking of the emergency alarm. They shall see that the doors by which the pupils leave the building are unlocked during school hours unless provided with means by which they may be easily opened in emergencies. **Emergency Alarm.**



75. Principals shall patiently hear and impartially investigate complaints which may be made by parents or others, and shall use their best endeavors to redress any real grievances without reference to the Committee or Superintendent. **Complaints to be heard.**

76. Principals of schools containing the ninth grade shall be known as Supervising Principals. They shall perform all the duties of principals as set forth elsewhere in these regulations. In addition to these duties they shall, at the request of the Superintendent, instruct classes, examine and grade pupils, and supervise the instruction of teachers in their own schools and in all other schools which are tributary to them. They shall counsel and aid teachers in all matters relating to their duties. They shall familiarize themselves with the methods of discipline employed by every teacher under their direction, and labor to secure the best methods. **Supervising Principals.**

Whenever a school is tributary to two or more higher schools, it shall be under the charge of the senior Supervising Principal unless otherwise ordered by the District Committee.

Supervising principals shall teach at least twelve hours per week, not less than ten of which shall be in the highest grade.

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#### DUTIES OF TEACHERS.

77. All teachers connected with the public schools are required to make themselves familiar with the provisions of these regulations and especially that portion of them relating to their school duties, and to observe and enforce them faithfully. **To observe Regulations.**

78. Teachers shall not be absent from duty except for personal illness or emergency, unless permission has first been obtained from the Chairman of the Standing Committee in



charge of the school or department, or from the Superintendent. In all cases of absence notice shall be **Absence.** immediately sent to the Principal and to the Superintendent, one of whom shall supply a substitute, and both of whom should be notified of the time when the teacher may be expected to resume her duties.

**79.** Principals shall be in their respective buildings twenty minutes before the time of opening school. They **Punctuality.** shall see that the outside doors are open for the admission of pupils fifteen minutes before the opening of each session.

In cold and inclement weather they shall provide suitable shelter and care for little children who may have come to school earlier.

Every teacher shall be in her school-room ready to receive her pupils fifteen minutes before the beginning of each session. The tardiness of teachers shall be regularly reported to the Superintendent.

**80.** Teachers shall punctually observe the hours appointed for opening and dismissing the schools, and during school hours shall faithfully apply themselves to their **Moral** duties. In all their intercourse with their scholars **Instruction.** they shall strive to impress on their minds, both by precept and example, the great importance of earnest efforts for improvement in morals, manners, and deportment, as well as in useful learning.

Pupils shall be carefully instructed to avoid idleness and profanity, falsehood and deceit, and every wicked and disgraceful practice, and to conduct themselves in an orderly and proper manner; and it shall be the duty of the teachers, so far as practicable, to exercise a general supervision over them in these regards, both in and out of school.

**81.** Teachers must aim at such discipline in their schools as would be exercised by a kind and judicious parent in his family. They shall avoid corporal punishment in all **Discipline.** cases where good order can be maintained by milder means. In no case shall they resort to confinement in closets or dressing-rooms, or to any form of cruel or unnatural punishment. Blows upon the head are expressly prohibited. Ridicule, provoking sarcasm, and all harsh expressions are to be studiously avoided. If the Principal recommends the use of corporal punishment, let it be restricted to blows upon the hand, but administered with prudence and deliberation, always after school hours, in the absence of other pupils, and after twenty-four hours shall have intervened.

Teachers must record in a book, furnished for that purpose, all cases of corporal punishment, giving the date, the name of the pupil, the offence, and the nature and extent of **Corporal** the punishment inflicted, and report the same to **Punishment.** the Superintendent through the Principal.

By corporal punishment is understood any infliction whatever of bodily pain, or application of physical force.

**82.** Teachers shall be responsible for the discipline of their schools. Appeals to the Principal or Committee, in ordinary cases, tend to weaken the influence of the **Appeals.** teacher, and should be avoided.

Whenever a pupil refuses to receive punishment from his teacher, his case shall be referred to the Principal for treatment.

**83.** In cases where the conduct and habits of a pupil are found to be injurious to associates, it shall be the **Suspension** duty of the Principal, with the advice of the Standing **of Pupils.** Committee, to suspend such pupil from school.

**84.** For flagrant misconduct or extreme disobedience and insubordination, after other means of reformation have been

tried in vain, the Principal of the school may suspend **Suspension** a pupil, provided that such case of suspension, with the **of Pupils.** reasons therefor, shall be reported in writing to the parent or guardian of the pupil, and also to the Sub-Committee, within twenty-four hours after its occurrence. Any child under suspension, who shall express regret for his fault, and whose parents or guardian shall promise co-operation in the enforcement of the regulations, may be reinstated by the **Reinstatement.** Sub-Committee on such conditions as shall be thought best; but, if such suspension is ratified by the Sub-Committee, the pupil so dismissed shall not be admitted into any school in Somerville except by vote of the Board.

**85.** No pupil shall be sent from school for pur- **Pupils sent** poses of discipline, unless he is suspended by the **from School.** Principal.

**86.** Teachers are expected to use all suitable means to prevent truancy and to reclaim truants. When such **Truancy.** means prove inadequate, the Principal shall report offenders to the truant officer, who shall return them to school and give suitable warning of the consequences of their offence.

**87.** Bi-monthly reports of the standing of pupils of the high and grammar schools, showing attendance, **Bi-monthly** deportment, and scholarship, shall be sent to parents **Reports.** and guardians for their examination and signature.

**88.** There shall be kept in every school a register of the name, age, dates of admission and discharge, absences, **Registers.** tardinesses, dismissals, and half days of truancy of each pupil. Principals shall be responsible for the correctness of said register, and for the proper returns from it to the Secretary of the School Committee.



89. Teachers whose pupils are all of one grade, shall divide their classes into two sections, that as far as practicable one section may be studying while the other section are reciting. **Classes in Sections.**

A reasonable amount of home study may be required of pupils in the high schools and the three upper grades of the grammar schools. **Home Study.**

90. During the first month of the school year each teacher shall prepare two copies of the programme of the daily exercises of his school, one to be kept in the school-room accessible to the substitute teacher, and one for the Superintendent. **Programmes.**

91. It shall be the duty of all teachers to give frequent and vigilant attention to the ventilation, temperature, and light of their school-rooms. A regular system of ventilation shall be practised, as well in winter as in summer, by which the air in the school-rooms shall be effectually changed during recess and at the end of each school session. The school-room should be kept at a uniform temperature of 68 degrees F., as shown by a thermometer hung in a central place at the level of the pupils' desks. **Ventilation. Temperature.**

92. Teachers, by direction of the Superintendent, shall visit other schools occasionally, to observe the discipline and instruction of the same. During the absence of teachers for this purpose the Superintendent shall provide substitutes for their schools. **Visits of Teachers.**

93. It shall be the duty of teachers to encourage their pupils to adopt some systematic course of general reading, to advise them in the selection of such books as will improve their taste and cultivate a love for good reading, and to co-operate in efforts to extend the advantages of the Public Library to the pupils of the schools. **Reading and Public Library.**



94. Teachers shall not allow themselves to be interrupted in their work by prolonged interviews, even on matters relating to the school; nor shall they allow the suspension of their regular duties or changes in their programmes on account of the visits of other teachers or personal friends. **Interruptions of Teachers.**

95. Unless specially excused by the Superintendent, teachers shall attend all meetings called by the Superintendent or the Board for their benefit and professional improvement by means of lectures, discussions, or otherwise. **To Attend Meetings.**

96. The course of study and the time schedule of different studies adopted by the Board and made a part of these Regulations must be faithfully followed in accordance with the directions therein given, and no other text-books than those authorized by the Board shall be used in the schools. **Time Schedule and Course of Study.**

97. No persons except those appointed for the purpose by the Board or those officially connected with the schools shall be allowed to give instruction or deliver lectures in the schools. **Unauthorized Instructors.**

No advertisement shall be given in any school or distributed or posted on school premises, nor shall any agent or other person be permitted to enter any school building for the purpose of securing subscriptions, presenting articles for sale, photographing pupils, copying names from school registers, or transacting any other private business without permission of the Board, presented in writing. **Advertisements, Book Agents, etc.**

The sale of books or stationery to pupils by teachers is prohibited.

No person shall be permitted to use tobacco, in any form, upon school premises. **Use of Tobacco.**

**98.** No contribution or collection of money for any purpose shall be permitted in any school without consent of the Chairman of the Standing Committee in charge thereof. **Contributions Prohibited.**

**99.** Teachers are expected to co-operate heartily with the Superintendent, Principal, and with one another in promoting the interests of the schools. During the school year they shall engage in no business or employment for salary or wages except that for which they are hired and paid by the City of Somerville, without the consent of the Standing Committee in charge of the school or department. Women regularly employed in the day schools are not eligible to appointment as evening school teachers. **Co-operation of Teachers. Not to Engage in Other Business.**

GENERAL REGULATIONS  
OF THE  
PUBLIC SCHOOLS.

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REGULATIONS COMMON TO ALL SCHOOLS.

**100.** The public schools of Somerville shall be classified as Kindergartens, for children under five years of age ; Primary schools containing the first, second, and third grades ; Grammar schools containing grades four to nine, inclusive ; the English and Latin High schools, containing four grades to be designated as the first, second, third, and fourth classes, the first being the tenth grade or entering class ; Elementary Evening schools for persons over fourteen years of age ; and Evening Drawing schools for instruction in industrial and freehand drawing. Classification  
of Schools.

**101.** The school year shall consist of forty weeks, beginning on the Tuesday following the first Monday in September. School Year.

**102.** The following shall be the holidays and vacations granted to all the schools : —

*Holidays.* — Every Saturday ; Thanksgiving Day together with the afternoon preceding and the Friday following it ; February 22nd ; Patriots' Day ; Memorial Day ; June 17th. Holidays.  
Whenever any holiday falls on Sunday, the schools shall be closed on the following day.

*Vacations.* From noon of December 24th. to the day after that celebrated as New Year's Day ; the two weeks that **Vacations.** separate the last twenty-four weeks of the school year into three terms of eight weeks each ; from the close of the school year to the Tuesday following the first Monday of September.

The chairman of the School Committee, through the Sub-committees, may dismiss all the schools on extraordinary occasions of general interest ; and each school may be dismissed **Special** by its Sub-committee during the session of the Middlesex **Holidays.** County Teachers' Association, upon the request of the teacher or teachers who will attend the same ; and Sub-committees are not allowed to dismiss their schools on any other occasions, except by vote of the Board.

**103.** The high schools shall hold a five-hour session on each school day, beginning at 8.30 o'clock.

The grammar and primary schools shall hold a morning session from 9 o'clock until 11.45, and an afternoon session from 2 o'clock until 4, excepting from November to February, **Sessions.** when the afternoon session shall be from 1.45 to 3.45 o'clock.

The sessions of the kindergartens shall extend from 9 o'clock until 12.

**104.** In case of severe storm the Superintendent is authorized to announce the omission of the next session of the schools by striking the signal 5-5 twice on the fire-alarm **Storm Signal.** bells. The storm signal for the high schools shall be struck at 7.30 ; for all other schools forty-five minutes before the opening of the session. From November to February the time for striking the signal for the omission of the afternoon session shall be 12.45.

**105.** The morning session of all schools shall commence with the reading by the teacher, without comment, of **Scriptures** a selection from the Scriptures in accordance with **to be read.** the laws of the Commonwealth.



**106.** There shall be twenty-five minutes of recess in the schools at such time as the head-masters shall choose.

In the grammar and primary grades, midway of each session, there shall be a recess of five minutes for the four **Recesses.** lower grades, and five minutes of gymnastic exercises for all other grades.

No pupil shall be deprived of any portion of the regular recess of his class.

**107.** Pupils shall be admitted to school and assigned to their proper grades by the Principal, who shall require **Admission** satisfactory evidence that they reside within the dis- **of Pupils.** trict, are of the proper age, and have been secured against the small-pox.

Beginners shall be admitted to the first grade during the month of September only, it being understood that any child five years of age, or who shall attain that age before the first of January following, is eligible to such admission.

**108.** Residents of other cities and towns, and children residing in Somerville for the sole purpose of attend- **Non-Resident** ing school shall be admitted to school only by **Pupils.** special permit of the Superintendent, who shall require evidence that tuition has been paid for the year or half-year before granting said permit.

The tuition for non-resident pupils shall be a sum equal to the average expense per pupil during the year next preceding in the school they are to attend.

**109.** No person affected with any contagious disease shall be allowed to attend the public schools. No person who is a member of a household in which a person is sick with small-pox, diphtheria, scarlet fever, or measles, or of a household exposed to contagion from a household as aforesaid, shall attend any public school during such sickness or until the teacher of

the school has been furnished with a certificate from the board of health of the town or city, or from the attending physician of such sick person, stating in a case of small-pox, diphtheria, or scarlet fever, that a period of at least two weeks, and in a case of measles a period of at least three days, has elapsed since the recovery, removal, or death of such person, and that danger of the conveying of such disease by such person has passed.

**Contagious  
Diseases.**

**110.** Pupils shall attend school only in the district in which they reside except by permission of the Superintendent. A pupil who changes his residence during the latter half of the school year may, if his parents so elect, complete the year in the school that he has been attending.

**Transfer of  
Pupils.**

**111.** When a pupil changes his residence with the intention of entering another school, he shall receive a discharge card showing his age, grade, and the number of weeks of attendance during the school year. This card shall admit him to the same grade in any school in this city which he may enter.

**Discharge  
Cards.**

**112.** Every pupil must come to school cleanly in person and dress, and with his clothes properly repaired. In case of neglect in this respect, the teacher may send the negligent pupil home, to be suitably prepared for school.

**Cleanliness.**

**113.** Pupils shall be prompt and regular in their attendance. In case of absence, tardiness, or dismissal, a written or personal explanation from the parent or guardian shall be required. Tardiness, without a written or personal explanation from the parent or guardian, is accounted a misdemeanor. A pupil who is tardy without a satisfactory explanation shall not be sent home, but shall be required to furnish it subsequently.

**Attendance  
of Pupils.**

If any pupil of the high school is absent two days in four consecutive weeks, or any pupil in the grammar schools **Suspension** is absent six half-days in four consecutive weeks, **for Absence.** except for causes satisfactory to the Principal, he shall not return without a written permit from the Standing Committee of his school, or the Superintendent.

No pupil belonging to a public school shall be absent from school or excused from any school exercise in **Absence for** order to receive regular instruction elsewhere. **Special Instruction.**

**114.** In recording the attendance of pupils, teachers shall observe the following rules :—

1. Every pupil who enters the room after **Marking** the time for beginning the session, shall be **Attendance.** marked tardy.

2. Every pupil who leaves school at the request of his parents or guardian before the close of a session, shall be marked dismissed.

3. Every pupil not present at least one half of the session, shall be marked absent.

4. Whenever a pupil is suspended from school, his name is to be taken at once from the roll of membership.

5. Whenever a pupil leaves school without the intention of returning during the school year, he shall be disenrolled, but any absences recorded against him before the fact of his leaving comes to the knowledge of his teacher, shall remain.

6. After a pupil has been absent ten consecutive days for any cause his name shall be taken from the roll, but the absences recorded against him shall stand.

**115.** No pupil shall be detained for any purpose after the close of the morning session. Detention at other **Detention** times shall in no case exceed thirty minutes and **of Pupils.** shall be for *wilful neglect of duty only.*

**116.** Any pupil who shall deface or injure any school property shall be required to pay in full for all damages. **Injury to Property.**

**117.** Pupils shall not be permitted to answer calls at the door except from parents and guardians or their accredited messengers. **Calls at Door.**

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#### KINDERGARTENS.

**118.** District Committees are authorized to open kindergartens whenever they deem it wise, provided that not more than one kindergarten shall be opened for each eight hundred pupils in the primary and grammar schools in the district. **Authority to Open.**

**119.** Children between three and a half and five years of age may be admitted to the kindergarten nearest their homes during the months of September and April. They may remain until the June following their fifth birthday. **Age of Admission.**

**120.** A kindergarten shall contain not less than twenty nor more than fifty pupils. An assistant may be employed when the number exceeds thirty. **Number of Pupils.**

**121.** The sessions of the kindergarten shall be from 9 to 12 o'clock. Teachers shall employ their afternoons from 2 to 4, except when the time is needed for preparation for their work, in visiting the homes of their pupils to confer with parents in promoting the interests of the children and securing regularity of attendance. **Sessions.**

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#### PROMOTIONS AND GRADUATION.

**122.** Regular class promotions in the schools shall be made at the end of the school year according to the judgment of the class teacher, the Principal, the Superintendent, and the District Committee. **Regular Promotions.**



**123.** Individual promotions shall be made whenever in the judgment of Principal, Superintendent, and Chair- **Individual** man of the District Committee the interests of **Promotions.** pupils require them. It is especially enjoined upon principals to make such arrangement of classes and apportionment of work as will give constant employment to pupils of vary- **Apportionment** ing degrees of ability, and to advance the whole or **of Work.** any portion of a class as rapidly as possible, irrespective of the grade limitations of the courses of study.

**124.** In the high and grammar schools the basis of promotion shall be the teacher's estimate of the oral and **Basis of** written recitations and effort of the pupil, which shall **Promotion.** be recorded and reported to parents at least bi-monthly.

Written test examinations, not exceeding one hour each, may be given at any time without previous announce- **Examinations.** ment by the Teachers, Principal, or Superintendent, not as an exclusive basis of promotion, but as aiding teachers to correct estimates, showing results, or indicating lines of instruction.

**125.** Teachers' estimates shall be indicated by **Marking of** one of the following terms: — **Estimates.**

|                   |            |                        |            |
|-------------------|------------|------------------------|------------|
| Excellent . . . . | E, A, or 5 | Unsatisfactory . . . . | U, D, or 2 |
| Good . . . . .    | G, B, or 4 | Poor . . . . .         | P, E, or 1 |
| Fair . . . . .    | F, C, or 3 |                        |            |

As far as possible the standard and terms used in marking shall be uniform in each school.

**126.** All pupils whose scholarship record as shown by teachers' estimates averages "fair" shall be uncon- **Unconditional** ditionally promoted to the next grade, provided **Promotions.** their conduct and effort through the year have been satisfactory.

Pupils who fall below the standard of promotion may be conditionally promoted to the next grade on trial for **Conditional** three months, provided their age, character, capacity, **Promotions.** and best interests seem to justify it.

Parents of pupils promoted conditionally shall receive notice of the fact, and shall receive monthly statements from the teacher showing the progress of their children.

**127.** The standard and method of promotion from the grammar schools to the high schools shall be the same as from grade to grade in these schools. **Admission to High Schools.**

Grammar school pupils promoted to a high school grade shall receive certificates of qualification signed by the Principal, which shall secure their admission to either high school.

**128.** At the beginning of the school year there shall be an examination of applicants for admission to the high schools under the direction of the committee on High Schools. **Examination for High Schools.** A fair knowledge of the studies of the grammar schools shall be required for admission. The questions shall be prepared by the Superintendent and approved by the Chairmen of the High School Committees.

**129.** Pupils who have fallen behind their grade by absence, indolence, or inability, may be transferred to a lower grade, provided that no such transfer shall be made unless parents have received at least four weeks' previous notice, and the Principal, the Superintendent, and the Chairman of the Committee in charge of the school concur therein. **Transfer to Lower Grade.**

**130.** Pupils in the grammar and high schools who have honorably completed the prescribed course of study to the satisfaction of the Principal, the Superintendent, and the Standing Committee in charge of the school, shall receive diplomas of graduation. **Diplomas.**

**131.** The graduation exercises of the grammar schools shall be under the direction of a Special Committee composed of the Chairmen of the several District Committees. **Graduation Exercises.**

The graduation exercises of the high schools shall be under the direction of the Standing Committees of those schools.

**132.** While it is understood that the schools are always open to the inspection of parents and citizens, the third week in May of each year is especially set apart as Public Visitation Week for the grammar and primary schools. **Public Visitation.** The third Wednesday in May is assigned as Public Day for the high schools.

No departure from the regular work of the schools shall be made on public days.

**133.** Exhibitions of the regular work of any school or department may be made at the option of the Standing Committee in charge of the same. **Exhibitions.**

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#### REGULATIONS FOR EVENING SCHOOLS.

**134.** Evening schools for adults of both sexes, and for children over fourteen years of age who are unable to attend the day schools, together with a School for Industrial Drawing, may be established by the Committee on Evening Schools, subject to the following rules : —

**135.** The Committee on Evening Schools shall have the general charge and supervision of all evening schools, and each school shall be under the special charge of one member of that committee. **Committee in Charge.**

**136.** No school shall be open until thirty persons have pledged themselves to attend regularly. When the average number attending any school for one week is less than fifteen, the school shall be closed. **Numbers.**

**137.** Applications for admission to the evening school for persons under eighteen years of age must be made by parent or guardian. **Applications for Admission.**



No person shall attend the School of Industrial Drawing who is under fourteen years of age.

**138.** Each school shall have a principal and one assistant for thirty pupils, and an additional teacher may be **Teachers.** appointed for every fifteen pupils in excess of that number.

**139.** The Principal shall be responsible for the management of the school. He shall keep a record of **Duties of** the name, age, residence, and occupation of each **Principal.** pupil, and an accurate record of attendance. He shall have charge of, and be responsible for, all books and supplies furnished for his school.

**140.** The term of the evening schools shall begin on the first Monday of October and continue until Christmas. **Terms.** The term of any school may be prolonged by the committee in charge if circumstances shall warrant it. The sessions of the Evening Drawing School shall be held on Tuesday and Thursday evenings; of the other schools, on each week-day evening except Wednesday and Saturday.

**141.** The sessions of the school shall begin at half-past seven o'clock and close at half-past nine o'clock. The **Sessions.** rooms shall be open and the teachers present fifteen minutes before the time for the sessions to begin.

**142.** Any pupil who is absent from school four consecutive evenings, without satisfactory excuse, shall forfeit his **Absence.** membership, and shall not be readmitted unless by written permission of the committee having the school in charge.

**143.** A pupil may be suspended for disorderly conduct by the Principal, and such pupil shall not be readmitted **Suspension.** without a permit from the Superintendent or committee in charge.

**144.** School buildings shall be open for the registration of pupils on the Saturday evening preceding the date **Registration.** of opening.



## TEXT-BOOKS AND SUPPLIES.

**145.** All text-books and supplies used in the public schools will be furnished by the City, in accordance with the requirements of the Public Statutes. Free  
Text-Books.

**146.** Teachers are responsible for all books furnished them for the use of their classes. They will make an entry of them, when they are received, in a book provided for the purpose, and will account for them to the Superintendent at the close of each school year. Care of Books.

**147.** All books shall be labelled, numbered, and charged to pupils before they are distributed. Upon the label, in each book, the name of the pupil using the book shall be written. To be charged  
to Pupils.

**148.** As far as practicable, each pupil shall use the same books during the entire course. Books of promoted pupils will be credited to the teachers whom they leave and charged to their next teachers. Same Books  
to be used.

**149.** Teachers will carefully examine all city books at least once each term, and report all injuries or loss of books as soon as discovered, to the Principal or the Superintendent, with the names of the pupils to whom such lost or injured books were loaned. Inspection  
of Books.

**150.** When any book is worn out or so injured that it is no longer fit for use, it shall be discharged from the teacher's account. Books used in the homes of pupils excluded from school on account of diphtheria or scarlet fever shall be destroyed. Books to be  
discharged.

**151.** In January and May of each year Principals shall indicate to the Superintendent, upon blanks furnished for the purpose, such text-books and supplies as will be needed in their several buildings during the succeeding Requisitions  
for Supplies.

five months. These estimates shall be referred to the Committee on Supplies.

Requests for additional books or supplies during the year must be made in writing to the Superintendent.

The receipt of books and supplies must be promptly acknowledged to the Superintendent on blanks supplied for the purpose.

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### SCHOOL DISTRICTS.

**152.** For the sake of convenient supervision, the schools of Somerville are grouped into five districts, as follows: East Somerville District, Winter Hill District, Prospect Hill District, Spring Hill District, and West Somerville District.

*East Somerville District* is separated from Prospect Hill District by the Lowell Railroad, from Cambridge line to Washington street, and by Tufts street, Auburn **School Districts.** avenue, and the Lowell Railroad, from Auburn avenue to Walnut street. The boundary line between East Somerville and Winter Hill districts extends from the Lowell Railroad to Mystic River, and is one hundred feet southeast of Walnut street and parallel to that street.

*Winter Hill District* is separated from Prospect Hill and Spring Hill districts by Highland avenue.

The Lowell Railroad and a line extending westerly from Lowell street to Highland avenue form the boundary between Winter Hill District and West Somerville District.

*Prospect Hill District* is separated from Spring Hill District by a line parallel to, and six hundred feet northwesterly from, School street, thence by Dane street to Beacon street, thence by Beacon street to Cooney street, thence by Cooney street to Cambridge line.

*Spring Hill District* is separated from West Somerville District by Mossland and Cedar streets.

## APPEALS, ETC.

**153.** In all cases arising under these regulations or under any orders of the Board, appeals may be taken from **Appeals.** the decision of the teacher to the Superintendent, and from the Superintendent to the proper Standing Committee, and from the Standing Committee to the Board, and the decision of the majority of the Board shall be final. The person so appealing to the Board shall state in writing his grievance and the relief desired.

**154.** These rules and regulations shall take effect on the first day of September, 1896, and all previous rules, **Regulations** votes, and resolutions of the Board inconsistent **take Effect.** therewith, are hereby repealed.

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## DUTIES OF JANITORS.

RULES AND REGULATIONS ADOPTED BY THE COMMITTEE  
ON PUBLIC PROPERTY, JUNE 10, 1896.

1. Janitors shall open and close their buildings every school day during the year.

2. They shall sweep the entries and stairways daily, after the last session of the school; the rooms, by Wednesday night, and again on Saturday of each week. The yards, out-houses, and basement are to be kept clean and in good order, and the sanitariums flushed every day and left clean at night. Dust the furniture daily; the windows, blinds, walls, and ceilings as often as necessary to keep them free from dust.

3. The floors and stairs throughout each school building shall be thoroughly scrubbed during each vacation. Kindergarten floors shall be scrubbed each month and swept daily. The doors, wainscoting and other woodwork, including the chairs and desks with the iron standards thereof, shall be thoroughly cleaned during each vacation. The windows shall be

thoroughly cleaned, outside and inside, three times in each year, in the months of March, August, and November. The transoms, windows and other glass inside of the building must be kept clean. The ink-wells shall be cleaned five times in each year, once in the months of August, November, February, and May, and once at the request of the Principal; or five times in each year at such intervals as the Principal may choose.

4. It shall be their duty, — to build fires when necessary, in season to have the rooms warmed to such temperature as the School Committee shall direct at the time for opening the schools. Where stoves are used, fuel sufficient for the day must be carried to the several rooms.

5. To use the fuel economically. To screen the ashes and use the screenings on the fires.

6. To remove the ashes and all other debris from the cellars in order that the ashes and debris can be collected by the city once a week.

7. To remove the snow and ice from the doorsteps and walks leading to the gates and out-buildings.

8. To keep the ice upon the sidewalks about the school buildings covered with ashes or sand.

9. To keep the grounds about the school buildings free from weeds and litter of all kinds; also to sweep and keep clean all brick and concrete walks within the school limits.

10. Janitors of buildings heated by steam, or where there is any steam or hot-water plant used for any purpose within the schoolhouse or out-buildings, will be held responsible for the safety of the pipes from freezing. In extremely cold weather they must take unusual precautions, by remaining either during the night or until satisfied of the safety of the apparatus.

11. Janitors of buildings where furnaces are used shall remain by them while the draft-doors are open. It is not



required that fires should be kept upon holidays, or during vacation, except enough to protect the apparatus, and to prevent damage by freezing.

12. Boilers should be blown clean as often as once each month, and the tubes cleaned once each week. The safety-valve should be tried occasionally, and all other valves looked after and kept properly packed. Ashes shall be drawn from under the boilers and furnaces each day.

13. Janitors shall maintain a general supervision of the estates during vacation. When workmen are employed on the premises, or when fuel is received, they shall see that none of the property in the building is misused, and they will be held responsible for any property stolen, or damage done through their negligence.

14. Janitors are not required to act as messengers for Principals, or other instructors, but it is expected that they will be obliging in this respect, and that teachers will be considerate in requesting such service.

15. Substitutes for janitors must be approved by the Committee on Public Property.

16. Should the Janitor neglect to perform his duty, the Principal or other authorized instructor will notify the Superintendent of Public Buildings. If there is a continued neglect on the part of any Janitor to perform his duties, the Superintendent of Public Buildings will report said Janitor to the Committee on Public Property.

17. Janitors of all eight and twelve-room schools, in addition to the time required for the performance of regular duties, shall be in attendance at their buildings one-half hour before opening of regular session, and remain one-half hour after regular afternoon session, or as late as half-past four in the afternoon.

18. Janitors of other buildings will give as much of their time, in addition to the time required for the performance of

their regular duties, as the Committee on Public Property shall direct, and must report to the Principal sometime during the school session of each day.

19. They will open their buildings evenings for school purposes and have them properly warmed when requested by the Superintendent of Schools, and at such other times as the Committee on Public Property may direct. They will remain in their building during the evening session, and, before leaving, see that the building is secure against fire, and the windows and doors through which access may be obtained to the building securely locked.

20. In rainy weather, when the walks and yards are muddy, primary school-rooms are to be swept daily if need be.

21. No Janitor shall be employed in a steam-heated building without a license. By a rule of the District Police, any Janitor who shall leave his boiler for more than one-half hour while schools are in session shall forfeit his license.

22. Janitors shall be present in their buildings on such days during the last week of the summer vacation as the Superintendent of Schools may indicate, to receive school supplies and to aid the Principal in their distribution.

23. Janitors shall wind and regulate the school-room clocks, and shall have the care, under the Principal, of the school flags. They shall display the same on every school day when the weather is suitable, and also on every legal holiday.

24. Smoking and the use of profane language in or about the buildings are strictly prohibited. No person shall be employed as a Janitor who uses any intoxicating liquor as a beverage.

25. Note.—It is understood that Janitors in the performance of their duties are under the direction of the Superintendent of Public Buildings, and the Principals of the respective schools.

FREDERICK C. FULLER,

*Superintendent of Public Buildings.*

[Circular issued by State Board of Education, December, 1898.]

## MASSACHUSETTS SCHOOL LEGISLATION.

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Respects wherein the Massachusetts Legislation of 1898 concerning the Employment of Children at Labor and the Attendance of Children at School Differs in its Provisions from the Legislation Previously in Force.\*

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### I.

#### EMPLOYMENT OF CHILDREN.

[Chapter 494, Acts of 1898.]

*Certain Employment of Children under Fourteen Forbidden.*—Section 1 changes from thirteen to fourteen the age below which no child shall be employed in a factory, workshop, or mercantile establishment. It forbids his employment for wages while school is in session, and all employment before six in the morning and after seven in the evening. It strikes out the requirement of thirty weeks' attendance at school during the year after a child is thirteen before he can be granted a certificate that he is fourteen, attendance now being required all the time up to fourteen.

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\* Since the object of this circular is mainly to call attention to the principal changes made in the new legislation, it omits many of its minor details and a large part of its language. *Careful reference, therefore, should be made to the full text of the statutes themselves.*

*Employment of Minors Between Fourteen and Sixteen; also of Illiterate Minors.*—Section 2 requires that no child under sixteen years of age shall be employed in a factory, workshop, or mercantile establishment *unless* the employer :—

1. Procures and keeps on file, and accessible to truant officers, the district police, and inspectors of factories, age and schooling certificates for all such children employed, the limits of age for such children now being fourteen years and sixteen years, instead of thirteen and sixteen, as heretofore.

2. Keeps *two* complete lists, instead of one as heretofore, of all such children employed therein, one on file as heretofore, and the additional one now required conspicuously posted near the principal entrance of the building in which such children are employed.

3. Keeps on file a complete list of *all minors* employed who cannot read at sight and write simple sentences in the English language,—a new requirement and applicable to persons from fourteen to twenty-one years of age.

4. Sends to the superintendent of schools, or where there is no such superintendent, to the school committee, the names of all such illiterate minors employed,—also a new requirement.

*Signing the Age and Schooling Certificate.*—Section 3 re-enacts certain provisions about the signing of the age and schooling certificate. It authorizes a committee which employs no superintendent to appoint any person, not necessarily one of its own members as heretofore, to sign certificates, and omits the provision which authorized any justice of the peace to administer the oath provided for in the certificate.

*Evidence of the Minor's Age.*—Section 4 simplifies the old law somewhat with reference to the evidence of age; it designates the last school census, the certificate of birth or baptism, or the register of birth with a town or city clerk, as



means of furnishing satisfactory evidence of the child's age ; or other satisfactory evidence may be accepted. It omits that provision of the old law which designated the circumstances under which a child of thirteen might receive an age and schooling certificate, the new law forbidding the granting of such a certificate to a child under fourteen.

*An Employment Ticket to Precede the Granting of an Age and Schooling Certificate.*—Section 5 provides that before a child under *sixteen*, instead of fourteen, as in the old law, can be granted an age and schooling certificate, he must present to the person authorized to approve and sign the same an *employment ticket*, duly filled out and signed. A section of the certificate declares that the certificate is to be surrendered to the child when he leaves the employer's service, but if not claimed by said child within thirty days from the ending of his service, it is to be returned by the employer to the superintendent of schools, or, where there is no superintendent, to the school committee.

*Certain Penalties Modified.*—Section 6 modifies somewhat the penalties prescribed in the old law. It limits to a fine the penalty for certifying to any materially false statement in the age and schooling certificate, omitting imprisonment.

*Conditions under which Illiterate Minors may be Employed.*—Section 7 renews old provisions, that no minor who cannot read at sight and write simple sentences in the English language shall be employed while a public evening school is maintained in the town or city in which he resides, *unless* he attends a day school, or has a permit issued by the superintendent of schools, or, *unless* his teacher certifies each week that he is in regular attendance at such evening school (not in attendance seventy per cent. of the time as heretofore).

*Truant Officers Authorized to Visit Factories.*—Section 8 authorizes truant officers to visit factories, workshops, and

manufacturing establishments without that special direction from the school committee which the old law required, and requires these officers to report any cases of illegal employment of minors therein to the school committees of their respective towns and cities, and to the chief of the district police, or to the inspector of factories for the district. It provides that complaints under this act shall be brought by inspectors of factories only, not by truant officers or inspectors, as in the old law.

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## II.

### ATTENDANCE AND TRUANCY.

[Chapter 496, Acts of 1898.]

*Length of Schooling and Subjects to be Taught.*—Section 1 extends to thirty-two weeks the time the public schools must be maintained. The time required under the old law was thirty-two weeks for towns of four thousand or more inhabitants, and twenty-four weeks for all other towns. To the studies that may be taught at the option of the school committee are added book-keeping, geometry, one or more foreign languages, the elements of the natural sciences, kindergarten, manual and physical training, civil government and ethics, with such other subjects as the school committee may deem expedient.

*The High School.*—Section 2 requires every town of five hundred families or householders, and permits any town, to maintain a high school, adequately equipped, to be kept by a principal and such assistants as may be needed, of competent ability and good morals. The distinction hitherto made between two grades of high schools is abolished.

The following requirements apply to every high school, whether it is kept in obedience to the statute or voluntarily :—

1. Instruction shall be given in such subjects designated in section 1 as it may be deemed expedient to teach in the high school, and in such additional subjects as may be required for the general purpose of training and culture, as well as for the special purpose of preparing pupils for admission to State normal schools, technical schools and colleges.

2. There shall be at least one course of study four years in length, and the school shall be kept for forty weeks at least, exclusive of vacations, in each year.

3. A town may, if it chooses, meet only a portion of the foregoing requirements in its own high school ; *provided* that it shall make adequate provisions for meeting the rest of said requirements in the high school of another town or any city.

*Payment of High School Tuition required of Certain Towns.*—Section 3, which provides that any town of less than five hundred families or householders that does not maintain a high school shall pay for tuition in a high school of another town or city, requires that a child who is to attend the high school in such other town or city shall have completed the course of instruction provided by the former town, and shall be, in the opinion of the superintendent of schools or the school committee of said former town, properly qualified to enter such high school. Towns whose valuation is under \$500,000 are entitled to State reimbursement for high school tuition expenses incurred under this section, but not for high school transportation expenses.

*Manual Training.*—Section 4 requires that every town or city of twenty thousand or more inhabitants shall maintain the teaching of manual training not only in connection with its high school system, but also in connection with its elementary schools.

Section 5, which requires the maintenance of an evening school by every town of ten thousand or more inhabitants and



permits it by all towns, restricts the provision to children over fourteen years of age, and, among the branches to be taught, specifies "industrial drawing, both freehand and mechanical."

*Evening High Schools.*—Section 6 re-enacts a section of the old law, requiring evening high schools in cities of fifty thousand or more inhabitants.

*Right of the Child to Schooling.*—Section 7 declares it to be the right of every child to attend the public schools in the town or city in which his parent or guardian has a legal residence, or in which the child himself actually resides.

*Payment for the Child's Schooling in Certain Cases.*—Section 8 makes provision for the payment of a child's schooling in a town or city other than that in which his parent or guardian resides :—

1. By the parent or guardian of the child if the child resides in said town or city for the sole purpose of attending school there, the sum to be paid being as defined in the section.

2. By the State for "State wards" between five and fifteen years of age, the sum to be paid being fifty cents for each week of five days, including the expense incurred for transporting such wards to schools.\*

3. By the city of Boston for children "placed out" by the trustees for children of said city or kept under the control of said trustees, the sum to be paid being fifty cents for each week of five days, including the expense incurred for transporting such children to school.

4. By institutions containing more than six inmates in any town of less than ten thousand inhabitants for any child so attending between the ages of five and fifteen years, not

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\* Chapter 108, Resolves of 1898, authorizes the Commonwealth to pay transportation expenses, in certain cases, from April 1, 1898, to September 1, 1898.



theretofore resident in such town, the sum to be paid being determined in accordance with the provisions of the section.

*Redress for Unlawful Exclusion from School.*—Section 9, which provides for redress in case a child is unlawfully excluded from school, omits the requirement in the old law that teachers shall state in writing the cause of such exclusion.

*Permission to Attend School out of Town.*—Section 10 re-enacts the old provision that permits a child, with the consent of the school committee, and at the expense of the town or city in which the child lives, to attend school in another town or city.

*Contagious Diseases.*—Section 11 adds measles to small-pox, diphtheria, and scarlet fever as a reason for restraining a child from attending school. Three days must have elapsed since recovery in the case of measles (two weeks in the other cases) before return to school is permissible.

*Compulsory Attendance.*—Section 12 makes attendance upon a public school compulsory for all children between the ages of seven (instead of eight, as heretofore) and fourteen years during the entire time (instead of thirty weeks, as heretofore, and without an allowance for two weeks of unexcused absence, as heretofore) the public schools are in session.

Excepted from these provisions are (a) children that are attending approved private day schools or receiving instruction equal to that given in the public schools; (b) children that are compelled by necessity to be absent, including children whose physical or mental condition renders their attendance inexpedient or impracticable.

The provision in the old law which extended to fifteen years the age of compulsory attendance wherever manual training was taught is repealed.

A clause in this section requires parents or guardians to cause children under their control to attend school according to law.

*School Census Forms.*—Section 13, in addition to certain forms required under the old law, requires the Board of Education to prescribe the forms for a school census.

*Secretary of the School Committee to receive Forms and to discharge Certain Duties.*—Section 14 provides for sending, with other forms, as hitherto, forms for the census to the secretary of each school committee (instead of to the town clerk, as heretofore), whose duty it is to deliver the same to the several persons charged with duties in connection therewith. It is also made the duty of this officer to forward to the secretary of the State Board of Education a list of the private schools in the town or city, together with the names of their principals.

*Failure to Receive Forms of Inquiry.*—Section 15 relates to the duty of the secretary of the school committee (instead of the town clerk) in case of his failure to receive the forms that should be sent to him.

*Taking of the School Census.*—Section 16 provides that the school census shall include the names and ages, with such other facts as may be designated by the State Board of Education, (a) of all persons between five and fifteen years of age, and (b) of all minors over fourteen years of age who cannot read at sight and write simple sentences in the English language residing in their several towns and cities on the first day of September, such record to be completed on or before the first day of October. The first census under this requirement is to be taken in September, 1899.

*Returns of School Committees.*—Section 17, which relates to statistical returns from school committees, requires (1) that the sworn certificate to accompany such returns shall be signed uniformly by the chairman and secretary of the school committee (instead of by a majority of the school committee, as in certain cases heretofore); and (2) that the certificate shall state the number of children in town between seven and fourteen

years of age, in addition to such other items as are required by law to be returned.

*Duties of the School Committee with Reference to Registers and to Money from the School Fund.*—Section 18 is a re-enactment of the old law requiring school committees to cause school registers to be faithfully kept and to specify the purposes for which money from the school fund is used.

*The Teacher's Duty in Connection with the School Register.*—Section 19, which re-enacts the law requiring teachers faithfully to keep school registers, further provides :—

1. That registers of attendance shall be kept daily.
2. That they shall be kept at the schools and open to inspection during school hours.
3. That no pupil's name shall be omitted in counting the number of persons belonging to the school and the number of absences of such pupil until ten consecutive days of absences have been recorded, or until it is known that such pupil has withdrawn from the school without intention of returning.
4. That a pupil who is not present at least half of a session shall be marked and counted as absent for that session.

*Irregular or Delayed Returns.*—Sections 20 and 21 are re enactments of the old law concerning school committee's returns which are irregular, incomplete, or too long delayed.

*Establishment of Truant Schools.*—Section 22 is largely a re-enactment of the old law requiring county commissioners to establish and maintain county truant schools in their respective counties. The principal added provisions in the present law are :—

1. The county commissioners of Barnstable, Berkshire, Dukes and Nantucket counties are exempt from establishing truant schools, but are required, instead, to assign a truant school established by law as the place for the instruction and training of persons committed to truant schools from their respective counties.



2. For the purposes of this act, the Parental School of Boston is to be deemed the county truant school for Suffolk County.

3. For the purposes of this act, Chelsea, Revere and Winthrop are to be considered as belonging to Middlesex County.

4. For the maintenance of each child sent to a truant school, towns and cities other than the above named are to pay one dollar a week (instead of two dollars, as heretofore), the above named being required to pay two dollars and fifty cents a week, and such additional sums as shall cover the actual cost of maintenance.

*Visitation of Truant Schools.* — Section 23 provides that the State Board of Education and the State Board of Lunacy and Charity shall visit the county truant schools and report concerning them annually to the Legislature.

*Habitual Truants, Absentees, and School Offenders.* — Sections 24, 25 and 26 name and more fully describe three classes of children that may be committed to truant schools, or elsewhere, under this act, namely: —

1. Habitual truants, — children between seven and fourteen years of age who wilfully and habitually absent themselves from school.

2. Habitual Absentees, — children between seven and sixteen years of age who may be found wandering about in the streets or public places, having no lawful occupation, habitually not attending school, and growing up in idleness and ignorance.

3. Habitual school offenders, — children under fourteen years of age who persistently violate the reasonable regulations of the school which they attend, or otherwise misbehave so as to render themselves fit subjects for exclusion therefrom.

Commitments of such children, in case of conviction, if boys, may be made to county truant schools, or, in certain cases, to



the Lyman School for Boys ; if girls, to the State Industrial School for Girls ; or they may be placed on probation, as provided in Section 28 of this act.

*Support of a Child in a Truant School to be paid for by the Parent if so Ordered.* — Section 27 provides for the payment, at the discretion of the court, by the parent or guardian for the support of a child while an inmate of a truant school.

*Probation.* — Section 28 provides for placing upon probation under a truant officer or a probation officer a child convicted of an offence under this act, and for other disposition of such child in case he violates the conditions of his probation.

*Parole and Discharge.* — Section 29 makes new provisions (1) for the parole and discharge of a child committed to a county truant school ; (2) for revoking such parole and for the arrest of the paroled child ; and (3) for the right of the superintendent or the school committee to be heard upon a proposal to parole or to revoke a parole.

Releases from the Parental School of Boston are to be governed by the provisions of chapter 514 of the Acts of the year 1896.

*Transfer from Truant Schools in Certain Cases.* — Section 30 provides for the transfer, by order of the court, from a county truant school to the Lyman School for Boys or to the Concord Reformatory, of any inmate who persistently violates the reasonable regulations of said truant school or who is guilty of indecent or immoral conduct while connected therewith.

*Penalties for Neglect to Send Children to School and for Inducing Unlawful Absence.* — Section 31 provides :—

1. That any person who, having under his control a child between seven (instead of eight, as heretofore) and fourteen years of age, fails for five day sessions or for ten half-day sessions within any period of six months to cause such child to

attend school as required by law, shall forfeit and pay a fine of not more than twenty dollars. The child's attendance is required for the full time the school is kept, instead of thirty weeks, as heretofore, and the allowance of two weeks for unexcused absence is no longer permitted.

2. That a fine of not more than fifty dollars shall be imposed upon a person for inducing any child to absent himself unlawfully from school, or for employing or harboring a child unlawfully absent from school.

*Jurisdiction and Procedure.* — Section 32 tells what courts shall have jurisdiction in cases arising under this act, and indicates the method of procedure.

*Truant Officers.* — Section 33 requires the school committee of every town and city (1) to appoint one or more persons (instead of two, as in the old law) to be designated as truant officers; (2) to make rules and regulations governing said officers; and (3) authorizes school committees of two or more towns or cities to employ the same truant officer or officers.

*Duties of Truant Officers.* — Section 34 directs truant officers to inquire into all cases arising under this act and authorizes them to make complaints, serve processes and carry into execution judgments thereunder. The old provision that they shall do this "under direction of the school committee" is dropped. They are to proceed directly under the provisions of this act, by-laws having been done away with. They are also to serve as probation officers as required by Section 28.

*Neglected Children.* — Section 35 provides for the commitment of neglected children, so called, up to the age of sixteen (instead of fourteen, as in the law of 1888), as follows : —

1. To the custody of the State Board of Lunacy and Charity if the children have no known settlement.

2. To the overseers of the poor in towns and cities in which the children are known to have a settlement.

3. To the directors of public institutions in the city of Boston if such children have a settlement in said city.

The section further provides for the maintenance and disposition of children so committed.





# INDEX.

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Reference is to Sections unless otherwise indicated.

|  | SECTION.     |
|--|--------------|
| Absence of Chairman . . . . .                                | 12           |
| pupils . . . . .   | 113          |
| teachers . . . . .   | 54, 71, 78   |
| Accounts of expenditures . . . . .                           | 16           |
| Additional school accommodations, committee on . . . . .     | 19           |
| Admission of pupils to primary and grammar schools . . . . . | 69, 107      |
| evening schools . . . . .                                    | 134, 137     |
| drawing school . . . . .                                     | 137          |
| high schools . . . . .                                       | 23, 127, 128 |
| kindergartens . . . . .                                      | 119          |
| Advertisements, etc., prohibited . . . . .                   | 97           |
| Age, compulsory school . . . . .                             | page 479     |
| of admission to primary school . . . . .                     | 107          |
| kindergarten . . . . .                                       | 119          |
| Amendment of rules . . . . .                                 | 10           |
| Annual estimate of expenditures . . . . .                    | 18           |
| returns . . . . .  | 17           |
| school report . . . . .                                      | 38           |
| Appeals from decisions . . . . .                             | 153          |
| Applicants for schools . . . . .                             | 39           |
| Art education, committee on . . . . .                        | 24           |
| Assignment of pupils . . . . .                               | 69           |
| Assistants, Third, how appointed . . . . .                   | 57           |
| salary of . . . . .  | 57           |
| Attendance of pupils . . . . .                               | 113          |
| rules for marking . . . . .                                  | 114          |
| children, State laws concerning . . . . .                    | page 479     |
| Bills, approved by Secretary . . . . .                       | 16           |
| committee on supplies . . . . .                              | 30           |
| Board . . . . .  | 30           |

|   | SECTION.   |
|---|------------|
| Books and supplies, requisitions for . . . . .          | 151        |
| Books and contagious diseases . . . . .                 | 150        |
| to be examined . . . . .                                | 149        |
| to be labelled . . . . .                                | 147        |
| [See Text-books.]                                       |            |
| Book agents excluded . . . . .                          | 97         |
| Boundaries of districts . . . . .                       | 152        |
| Calls at door . . . . .                                 | 117        |
| Census of school children . . . . .                     | page 480   |
| by School Committee . . . . .                           | 50         |
| Certificates, employment . . . . .                      | 42         |
| of admission to high school . . . . .                   | 127        |
| Changes in rules and regulations . . . . .              | 10, 28, 73 |
| of residence . . . . .                                  | 110        |
| in text-books . . . . .                                 | 31         |
| Chairman of Board . . . . .                             | See Rules. |
| absence of . . . . .                                    | 12         |
| duties of . . . . .                                     | 12         |
| on District Committee . . . . .                         | 3          |
| of Standing Committees . . . . .                        | 3          |
| Classification of schools . . . . .                     | 100        |
| pupils . . . . .  | 35, 123    |
| Classes to be in two sections . . . . .                 | 89         |
| Cleanliness in person and dress . . . . .               | 112        |
| Compulsory school age . . . . .                         | page 479   |
| Collections prohibited . . . . .                        | 98         |
| Committee on Additional School Accommodations . . . . . | 19         |
| Course of Study . . . . .                               | 23         |
| Districts . . . . .                                     | 20         |
| Evening Schools . . . . .                               | 21, 135    |
| Finance . . . . .                                       | 22         |
| High Schools . . . . .                                  | 23         |
| Industrial Education . . . . .                          | 24         |
| Music . . . . .   | 25         |
| Private Schools . . . . .                               | 26         |
| Repairs . . . . .                                       | 27         |
| Rules and Regulations . . . . .                         | 28         |
| Salaries . . . . .                                      | 29         |
| Supplies . . . . .                                      | 30         |
| Text-books . . . . .                                    | 31         |

|  | SECTION. |
|--|----------|
| Complaints to be heard by Principals . . . . . | 75       |
| Compulsory attendance . . . . .                | page 479 |
| Cooking and manual training . . . . .          | page 476 |
| Contributions prohibited . . . . .             | 98       |
| Constitution of Board . . . . .                | 1        |
| Contagious diseases . . . . .                  | 109      |
| State law . . . . .                            | page 479 |
| Corporal punishment restricted . . . . .       | 81       |
| to be reported . . . . .                       | 81       |
| what constitutes . . . . .                     | 81       |
| when to be inflicted . . . . .                 | 81       |
| Course of study, how changed . . . . .         | 31       |
| to be followed . . . . .                       | 96       |
| Detention of pupils . . . . .                  | 115      |
| Diplomas granted . . . . .                     | 130      |
| Directory of schools . . . . .                 | 36       |
| Discharge cards . . . . .                      | 111      |
| Dismissal of pupils . . . . .                  | 113      |
| schools . . . . .                              | 102      |
| teachers . . . . .                             | 53       |
| District boundaries . . . . .                  | 152      |
| committees, duties of . . . . .                | 20       |
| Discipline . . . . .                           | 81       |
| teachers responsible . . . . .                 | 82       |
| Documents to be kept on file . . . . .         | 14       |
| Drawing, committee on . . . . .                | 24       |
| required or optional . . . . .                 | 63       |
| evening school . . . . .                       | page 478 |
| special instructor in . . . . .                | 63       |
| Duties of Principals . . . . .                 | 67-76    |
| teachers . . . . .                             | 77-99    |
| Election and salaries of teachers . . . . .    | 52-59    |
| acceptance of . . . . .                        | 53       |
| notices of . . . . .                           | 15, 53   |
| of Secretary . . . . .                         | 2        |
| special instructors . . . . .                  | 60       |
| substitutes . . . . .                          | 55       |
| Superintendent . . . . .                       | 32       |
| teachers . . . . .                             | 53       |
| truant officers . . . . .                      | 45       |

|   | SECTION.          |
|---|-------------------|
| Emergency alarm . . . . .                                   | 74                |
| Employment certificates . . . . .                           | 42                |
| of labor, laws concerning . . . . .                         | page 473          |
| English High School, committee on . . . . .                 | 23                |
| Estimate of expenditures . . . . .                          | 18, 22            |
| scholarship . . . . .                                       | 124, 125          |
| Evening schools . . . . .                                   | 134-144           |
| committee on . . . . .                                      | 21, 135           |
| law concerning . . . . .                                    | page 477          |
| numbers required . . . . .                                  | 136               |
| registration in . . . . .                                   | 144               |
| Principal of . . . . .                                      | 139               |
| sessions of . . . . .                                       | 140               |
| suspension of pupil in . . . . .                            | 142, 143          |
| term of . . . . .   | 140               |
| teachers, number of . . . . .                               | 138               |
| how appointed . . . . .                                     | 58                |
| truant officer in . . . . .                                 | 51                |
| Evening High School, law requiring . . . . .                | page 478          |
| Examinations in general . . . . .                           | 124               |
| for admission to high schools . . . . .                     | 128               |
| Exclusion from school, unlawful . . . . .                   | page 479          |
| Excuses to be furnished . . . . .                           | 113               |
| Executive officer of Board . . . . .                        | 33                |
| sessions . . . . .  | 7                 |
| Exhibition of school work . . . . .                         | 133               |
| Fire-drill . . . . .  | 74                |
| Flagrant misconduct . . . . .                               | 84                |
| General reading . . . . .                                   | 93                |
| Grading of schools . . . . .                                | 100               |
| Graduation exercises . . . . .                              | 131               |
| grammar schools . . . . .                                   | 20                |
| high schools . . . . .                                      | 23                |
| Habitual truants, absentees, and school offenders . . . . . | page 482          |
| High schools . . . . .                                      | 20                |
| committees on . . . . .                                     | 23                |
| Holidays . . . . .  | 102               |
| Home study . . . . .  | 89                |
| Incorrigible children . . . . .                             | 48 . . . page 482 |



|  | SECTION.      |
|--|---------------|
| Industrial schools, law for . . . . .            | page 477      |
| drawing schools, law for . . . . .               | page 478      |
| Injury to school property . . . . .              | 116           |
| Inspection of factories, etc. . . . .            | 49            |
| school buildings . . . . .                       | 40            |
| text-books . . . . .                             | 149           |
| Instruction by authorized persons only . . . . . | 97            |
| in cooking, etc., provision for . . . . .        | 65            |
| drawing . . . . .                                | 63            |
| music . . . . .                                  | 62            |
| sewing . . . . .                                 | 64            |
| Interpretation of rules . . . . .                | 73            |
| Interruption of teachers . . . . .               | 94            |
| Inventory of text-books . . . . .                | 146           |
| Janitors . . . . .                               | 68            |
| Janitors, duties of . . . . .                    | pages 469-472 |
| Kindergartens, rules for . . . . .               | 118-121       |
| authority to open . . . . .                      | 118           |
| number allowed . . . . .                         | 120           |
| assistants in . . . . .                          | 120           |
| age of admission . . . . .                       | 119           |
| Latin School, committee on . . . . .             | 23            |
| Library, use of . . . . .                        | 93            |
| Manual training to be taught, law . . . . .      | page 477      |
| committee on . . . . .                           | 24            |
| Marking attendance . . . . .                     | 114           |
| scholarship . . . . .                            | 125           |
| Meetings of Board, organization . . . . .        | 1             |
| regular, time of . . . . .                       | 4             |
| open to public . . . . .                         | 7             |
| notice of . . . . .                              | 13            |
| of Standing Committees, record of . . . . .      | 14            |
| special . . . . .                                | 5             |
| Misconduct, flagrant . . . . .                   | 84            |
| Moral instruction . . . . .                      | 80            |
| Music, committee on . . . . .                    | 25            |
| Musical instruction, by whom . . . . .           | 62            |
| Music, pupils excused . . . . .                  | 62            |
| Neglected children . . . . .                     | page 484      |

|  | SECTION. |
|--|----------|
| Nominations of teachers . . . . .                    | 39, 52   |
| substitutes . . . . .                                | 26       |
| truant officers . . . . .                            | 26       |
| Non-resident pupils . . . . .                        | 108      |
| State law . . . . .                                  | page 478 |
| No-school signal . . . . .                           | 41       |
| Notice of election . . . . .                         | 53       |
| Number of votes to elect . . . . .                   | 6        |
| Office and hours of Superintendent . . . . .         | 43       |
| Order of business . . . . .                          | 8        |
| Order, points of, how settled . . . . .              | 11       |
| Organization of Board . . . . .                      | 2        |
| Pay-rolls, made by whom . . . . .                    | 16       |
| approved . . . . .                                   | 22       |
| of salaries approved . . . . .                       | 29       |
| Penmanship, committee on . . . . .                   | 24       |
| Penalties for violations of Employment Act . . . . . | page 475 |
| Penalty for non-attendance . . . . .                 | page 483 |
| Physical culture, committee on . . . . .             | 24       |
| President of Common Council, on committee . . . . .  | 3        |
| Principals, authority of . . . . .                   | 67       |
| duties of . . . . .                                  | 67-76    |
| punctuality of . . . . .                             | 79, 80   |
| to supervise buildings and janitors . . . . .        | 68       |
| to apportion work . . . . .                          | 123      |
| to receive and classify pupils . . . . .             | 69       |
| Principals, supervising, duties of . . . . .         | 76       |
| Promotions and graduations . . . . .                 | 122-133  |
| Promotions, basis of . . . . .                       | 124      |
| conditional . . . . .                                | 126      |
| unconditional . . . . .                              | 126      |
| regular . . . . .                                    | 122      |
| individual . . . . .                                 | 123      |
| Private Schools, committee on . . . . .              | 26       |
| to be visited . . . . .                              | 26       |
| Programmes . . . . .                                 | 90       |
| Public day in high schools . . . . .                 | 132      |
| Public Library, use of . . . . .                     | 93       |
| Public visitation week . . . . .                     | 132      |

|   | SECTION. |
|---|----------|
| Punishment, corporal . . . . .                | 81       |
| refusal to receive . . . . .                  | 82       |
| unusual, prohibited . . . . .                 | 81       |
| Pupils not to be sent from school . . . . .   | 85       |
| constantly employed . . . . .                 | 123      |
| Quorum of Board . . . . .                     | 6        |
| Reading . . . . .                             | 93       |
| Recesses . . . . .                            | 106      |
| Registers . . . . .                           | 114      |
| State requirements . . . . .                  | page 481 |
| and returns . . . . .                         | 72       |
| to include what . . . . .                     | 88       |
| to be kept . . . . .                          | 88       |
| to be examined . . . . .                      | 72       |
| Regulations common to all schools . . . . .   | 100-117  |
| to take effect, when . . . . .                | 154      |
| Repairs of school buildings . . . . .         | 27       |
| Repairs, committee on . . . . .               | 27       |
| Reports, bi-monthly . . . . .                 | 124      |
| to be sent to parents . . . . .               | 87       |
| Report of School Board . . . . .              | 38       |
| Superintendent . . . . .                      | 38       |
| teachers' absences . . . . .                  | 71       |
| truant officers . . . . .                     | 51       |
| Requisitions for supplies . . . . .           | 151      |
| Resignations, notice of . . . . .             | 54       |
| Returns to Secretary of State Board . . . . . | page 480 |
| Rules, how amended . . . . .                  | 10       |
| changes in . . . . .                          | 28       |
| suspension of . . . . .                       | 9        |
| Salaries, schedule of . . . . .               | 56       |
| deduction for absence . . . . .               | 54       |
| how changed . . . . .                         | 29       |
| when fixed . . . . .                          | 54       |
| increase to take effect when . . . . .        | 56       |
| how paid . . . . .                            | 54       |
| Sale of books prohibited . . . . .            | 97       |
| Scriptures to be read . . . . .               | 105      |
| Secretary of Board, duties of . . . . .       | 13-17    |
| election of . . . . .                         | 2        |

|  | SECTION. |
|--|----------|
| Sessions of evening schools . . . . .                  | 140, 141 |
| high schools . . . . .                                 | 103      |
| kindergartens . . . . .                                | 121      |
| grammar and primary schools . . . . .                  | 103      |
| Sewing to be taught . . . . .                          | 64       |
| Scholarship, marking . . . . .                         | 125      |
| School premises, oversight of . . . . .                | 51       |
| School year . . . . .                                  | 101      |
| Schools to be kept eight months . . . . .              | page 476 |
| Special instructors . . . . .                          | 60-66    |
| election of . . . . .                                  | 60       |
| instruction, extended or restricted . . . . .          | 66       |
| instructors, subject to rules . . . . .                | 61       |
| meetings of Board . . . . .                            | 5        |
| Standing Committees, how formed . . . . .              | 3        |
| general duties of . . . . .                            | 18-31    |
| Storm signal . . . . .                                 | 41, 104  |
| Study at home . . . . .                                | 89       |
| Studies required to be taught . . . . .                | page 476 |
| Substitutes, how supplied . . . . .                    | 78       |
| pay of . . . . .                                       | 56, 57   |
| permanent . . . . .                                    | 55       |
| how nominated . . . . .                                | 26       |
| Supervising Principals, duties of . . . . .            | 76       |
| to teach twelve hours . . . . .                        | 76       |
| Supplies, how furnished . . . . .                      | 30, 145  |
| for schools . . . . .                                  | 36       |
| to be ordered and cared for by Principals . . . . .    | 70       |
| Superintendent and his duties . . . . .                | 32-44    |
| at meetings of Board' . . . . .                        | 37       |
| election of . . . . .                                  | 32       |
| office and hours . . . . .                             | 43       |
| Suspension of pupils . . . . .                         | 83, 84   |
| for absence . . . . .                                  | 113      |
| in evening schools . . . . .                           | 142, 143 |
| Suspended pupils excluded from other schools . . . . . | 84       |
| reinstated . . . . .                                   | 84       |
| Suspension of rules . . . . .                          | 9        |
| Tardiness of pupils . . . . .                          | 113      |
| teachers . . . . .                                     | 79       |



|   | SECTION. |
|---|----------|
| Teachers, absence of . . . . .                | 54, 78   |
| coöperation of . . . . .                      | 99       |
| duties of . . . . .                           | 77-99    |
| election of . . . . .                         | 53       |
| ineligible for evening schools . . . . .      | 99       |
| nomination of . . . . .                       | 52       |
| punctuality of . . . . .                      | 79       |
| professional training required . . . . .      | 59       |
| to attend meetings . . . . .                  | 95       |
| not to engage in other business . . . . .     | 99       |
| to follow course of study . . . . .           | 96       |
| to give moral instruction . . . . .           | 80       |
| not to be interrupted . . . . .               | 94       |
| to observe regulations . . . . .              | 77       |
| Teachers' meetings . . . . .                  | 95       |
| Temperature of school-rooms . . . . .         | 91       |
| Text-books and supplies . . . . .             | 145-151  |
| to be furnished . . . . .                     | 145      |
| care of . . . . .                             | 146      |
| committee on . . . . .                        | 31       |
| changes in . . . . .                          | 31       |
| not to be used . . . . .                      | 96       |
| Time reports of teachers . . . . .            | 71       |
| Time schedule to be followed . . . . .        | 96       |
| Tobacco, use of, prohibited . . . . .         | 97       |
| Transfers of pupils within district . . . . . | 35       |
| from district . . . . .                       | 110      |
| to lower grade . . . . .                      | 129      |
| Transfers of teachers . . . . .               | 20       |
| Truant officers, duties of . . . . .          | 45-51    |
| nomination of . . . . .                       | 26       |
| election of . . . . .                         | 45       |
| to enforce ordinances . . . . .               | 46       |
| Truancy and truants . . . . .                 | 86       |
| Truants, prosecution of . . . . .             | page 484 |
| Truancy, suspected . . . . .                  | 47       |
| Truant schools . . . . .                      | page 481 |
| Truants, support of . . . . .                 | page 483 |
| to be prosecuted . . . . .                    | page 484 |

|  | SECTION.   |
|--|------------|
| Tuition of non-residents . . . . .         | 108        |
| Vacations . . . . .                        | 102        |
| Vacancies, how filled . . . . .            | 20, 39, 53 |
| Vaccination . . . . .                      | 107        |
| Votes of Board, how communicated . . . . . | 44         |
| Visitation, by kindergartners . . . . .    | 121        |
| parents . . . . .                          | 132        |
| Superintendent . . . . .                   | 34         |
| teachers . . . . .                         | 92         |
| Ventilation . . . . .                      | 91         |

REPORT  
OF THE  
WATER COMMISSIONERS.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, February 15, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 16, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*



**BOARD OF WATER COMMISSIONERS, 1898.**

GEORGE D. WEMYSS, *President.*

WM. FRANKLIN HALL (term expires Dec. 31, 1898).

Residence, 345 Broadway.

GEORGE D. WEMYSS (term expires Dec. 31, 1899).

Residence, 5 Austin street.

GEORGE A. KIMBALL (term expires Dec. 31, 1900).

Residence, 33 Warren avenue.

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**SUPERINTENDENT OF THE WATER WORKS AND CLERK OF  
THE BOARD.**

FRANK E. MERRILL.

---

**OFFICE OF THE WATER DEPARTMENT.**

Room 10, City Hall..

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**ENGINEER AT PUMPING STATION.**

SIDNEY E. HAYDEN.

---

**PUMPING STATION AND SHOP.**

Cedar street, near Broadway.

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Bills against the department should be rendered to the Superintendent on or before the first day of each month, and are payable by the City Treasurer on the seventeenth of the month.







WATER WORKS BUILDING—FROM CEDAR STREET.



## CITY OF SOMERVILLE.

---

OFFICE OF THE BOARD OF WATER COMMISSIONERS,  
January 12, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL :—

The Board of Water Commissioners present herewith, for your consideration, the twenty-fifth annual report of the department in their charge, covering the operations of the year ending December 31, 1898.

The Board organized on the 3rd of February by the re-election of George D. Wemyss as President and Frank E. Merrill as Clerk of the Board. On the 8th of March Mr. Merrill was elected Superintendent of the Water Works, having been certified for promotion to that office by the State Board of Civil Service Commissioners.

By legislative enactment (Chap. 33, Acts 1898), approved February 8, the name of the Somerville Mystic Water Board, established by Chap. 182, Acts of 1890, was changed to the Board of Water Commissioners of the City of Somerville.

### FINANCES.

#### COST OF WATER WORKS.

|   |              |
|---|--------------|
| The total cost of the water works on December |              |
| 31, 1897, was . . . . .                       | \$694,608.76 |
| Expended during the year 1898 on construction |              |
| account . . . . .                             | 26,970.22    |
| <hr/>   |              |
| Total cost December 31, 1898 . . . . .        | \$721,578.98 |

#### WATER DEBT.

The indebtedness of the city on account of the water works on December 31, 1897, was \$294,000; this debt has been reduced during 1898 by the payments of bonds, maturing July 1

and October 1, to the amount of \$22,000 ; the indebtedness being now represented by bonds drawing interest as follows :—

|   |
|---|
| \$234,000.00 at 4 per cent. per annum.  |
| 28,000.00 at 5 per cent. per annum.     |
| 10,000.00 at 5 1-2 per cent. per annum. |

#### WATER REVENUE.

|   |              |
|---|--------------|
| Earnings of the department in 1898 from the sale of water . . . . .     | \$207,195.16 |
| Water bills uncollected, Dec. 31, 1898 . . . . .                        | 11,739.01    |
| <hr/>   |              |
| Cash collections in 1898 . . . . .                                      | \$195,456.15 |
| Received from City of Boston, water rates uncollected in 1897 . . . . . | 5,278.88     |
| <hr/>   |              |
| Cash income, 1898 . . . . .   | \$200,735.03 |

The disposition of this income was as follows :—

|  |              |
|--|--------------|
| Appropriated by the City Council for the use of the water department . . . . . | \$85,278.88  |
| Appropriated by the City Council for the use of other departments . . . . .    | 67,280.96    |
| Metropolitan Water Works Assessment . . . . .                                  | 14,250.19    |
| Applied to interest on water debt . . . . .                                    | 11,925.00    |
| Applied to reduction of water debt . . . . .                                   | 22,000.00    |
| <hr/>  |              |
|  | \$200,735.03 |

The following table, exhibiting the financial condition of the department from its first movements, is presented for reference and comparison :—

| YEAR. | Water Loan Bonds<br>Issued on Funded<br>Debt Account. | Reduction of<br>Funded Debt by<br>Payments of Water<br>Loan Bonds. | Expenditures for<br>Construction of<br>Water Works. | * Revenue from<br>Water Works. |
|-------|---|--|---|--------------------------------|
| 1869  | \$80,000.00   |  | \$92,203.27   | \$ 911.39                      |
| 1870  | 60,000.00   |  | 66,546.50   | 1,907.63                       |
| 1871  | 60,000.00   |  | 43,648.66   | 3,151.30                       |
| 1872  | 90,000.00   | \$50,000.00  | 43,288.33   | 3,719.91                       |
| 1873  | 60,000.00   | 20,000.00  | 27,691.26   | 5,084.97                       |
| 1874  | 15,000.00   |  | 34,294.06   | 6,818.20                       |
| 1875  | 20,000.00   |  | 13,375.76   | 9,652.37                       |
| 1876  | 70,000.00   | 60,000.00  | 6,409.49  | 10,268.06                      |
| 1877  | 10,000.00   |  | 13,845.74   | 10,735.90                      |
| 1878  | 30,000.00   | 30,000.00  | 514.13  | 11,584.89                      |
| 1879  |   |  | 791.56  | 12,341.60                      |
| 1880  | 60,000.00   | 60,000.00  |   | 12,999.79                      |
| 1881  | 40,000.00   | 40,000.00  |   | 14,697.37                      |
| 1882  | 90,000.00   | 90,000.00  |   | 19,354.28                      |
| 1883  | 7,500.00  | 7,500.00   |   | 19,661.67                      |
| 1884  | 20,000.00   | 20,000.00  |   | 20,085.95                      |
| 1885  | 20,000.00   | 20,000.00  |   | 21,542.28                      |
| 1886  | 55,500.00   | 55,500.00  |   | 21,444.91                      |
| 1887  | 9,000.00  | 9,000.00   |   | 42,650.57                      |
| 1888  | 25,000.00   | 96,500.00  | 19,338.89   | 50,419.07                      |
| 1889  | 90,000.00   | 19,000.00  | 81,117.43   | 51,470.91                      |
| 1890  | 55,000.00   | 13,000.00  | 53,411.79   | 55,879.72                      |
| 1891  | 10,000.00   | †11,000.00   | 40,708.48   | 60,150.80                      |
| 1892  | 28,000.00   | 28,000.00  | 34,863.17   | 77,640.91                      |
| 1893  |   | 17,000.00  | 35,545.30   | 78,459.73                      |
| 1894  |   | 18,000.00  | 28,375.67   | 83,401.30                      |
| 1895  |   | 19,000.00  | 32,007.44   | 89,431.46                      |
| 1896  | ‡12,000.00  | 18,500.00  | 16,631.83   | 95,719.69                      |
| 1897  |   | 21,000.00  | 10,000.00   | 99,688.57                      |
| 1898  |   | 22,000.00  | 26,970.22   | 200,735.03                     |
|       | \$1,017,000.00  | \$745,000.00   | \$721,578.98  | \$1,191,610.23                 |

Total issue . . . . . \$1,017,000.00

Total payments . . . . . 745,000.00

Present water debt . . . . . \$272,000.00

\* From 1869 to 1886, inclusive, the basis of Somerville's water revenue was as follows:—  
The entire revenue from sale of water in Somerville was collected by the City of Boston and payments were made to this city on the following sliding scale:—

On annual receipts up to \$20,000.00, Somerville's proportion was 15 per cent.  
On annual receipts \$20,000.00 to \$30,000.00, Somerville's proportion was 20 per cent.  
“ “ \$30,000.00 to \$40,000.00 “ “ “ 25 “ “  
“ “ \$40,000.00 to \$50,000.00 “ “ “ 30 “ “  
“ “ exceeding \$50,000.00, Somerville's proportion was 40 per cent.

In 1887 the contract was changed so that Somerville should receive 50 per cent. of the revenue, and this contract existed until January 1, 1898, on which date it was annulled, the revenue since that time being collected by the City of Somerville.

† In 1891, \$5,000.00 of Water Loan Bonds were cancelled, City Loan Bonds being substituted for them.

‡ Renewal.

The city is to be congratulated on the results of the first year's entire management of its own water works. Although most of the office work, including the making of assessments and preparation of the bills for collection, was entirely new to the department, it has been performed with little or no friction.

We feel that the credit for this is due to the very efficient work of our superintendent and his assistants. It has been a great source of pleasure to the water takers to be able to get all desired information, in connection with the operation of the department, as well as to pay their water bills, without going to a neighboring city for that purpose, as heretofore.

#### WATER SUPPLY.

The Metropolitan water was introduced on the first of the year. The city now has a water supply which equals that of almost any city in the country, both as regards quantity and quality.

This system will provide us with an abundant supply of excellent water for generations to come. The city has every reason to be satisfied and pleased with this new condition of things.

There are times when there is considerable sediment in the water in different parts of the city, especially in the vicinity of dead ends; this condition is largely due to dirt getting into the pipes when there are breaks, and it will be improved as the cement-lined pipes are removed and the circulating system is extended.

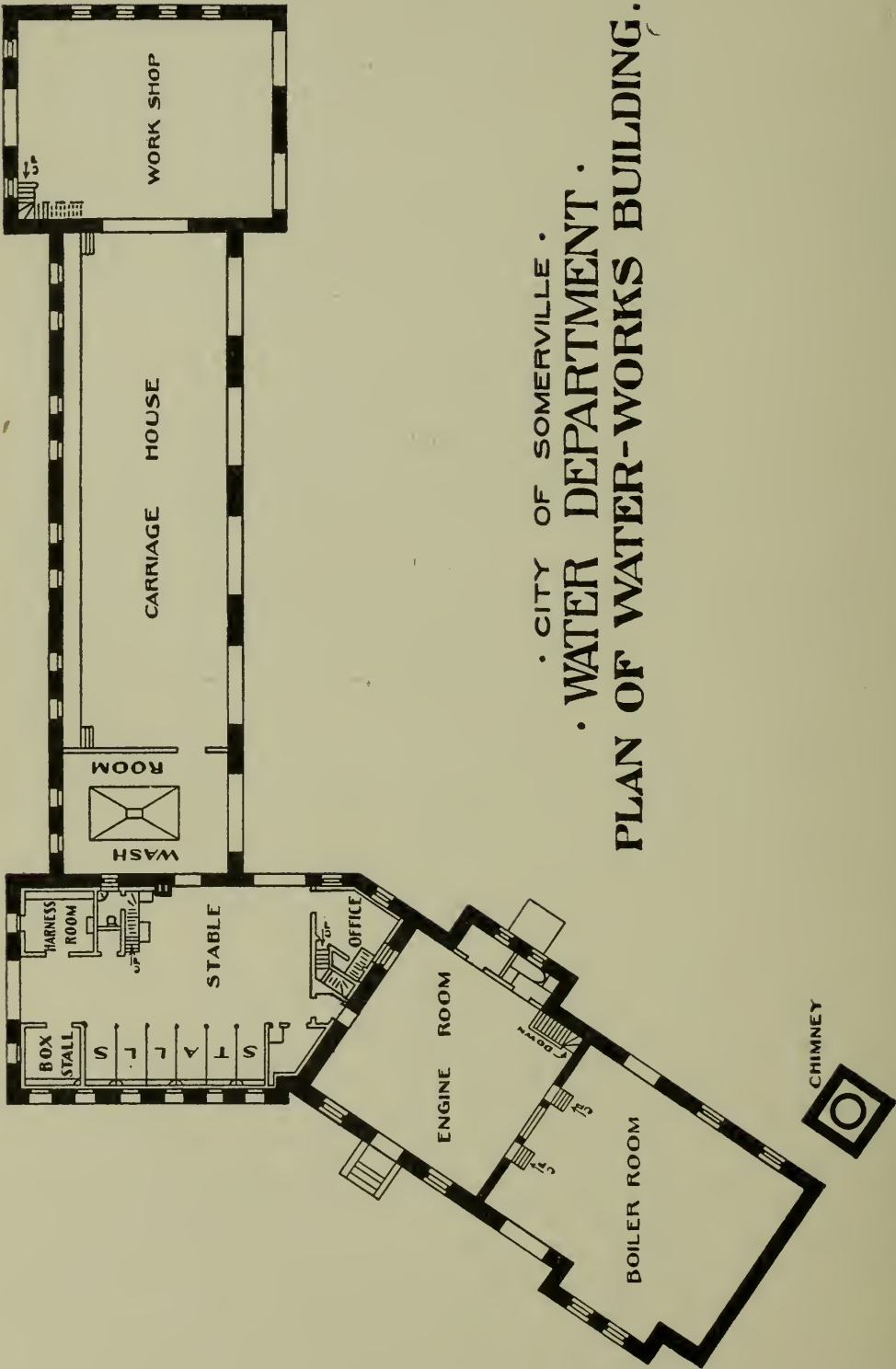
#### RENEWALS, EXTENSIONS, ETC.

The year just closed has been one of the most important, as regards the amount of work accomplished, in the history of the department; 7,536 feet of pipe of various sizes have been laid in extension of the works; 22,643 feet of cast-iron pipe have been laid in place of the old cement mains; 42 new hydrants have been set, making a total of 863 in the city; 64 additional gates and 2 check valves have been put in, and 205 service connections have been laid.

There now remains about nine miles of cement-lined pipe in our streets, but only a portion of it has given any trouble.







· CITY OF SOMERVILLE ·  
· WATER DEPARTMENT ·  
**PLAN OF WATER-WORKS BUILDING.**

## NEW DEPARTMENT BUILDING.

During the year we have erected a brick building, adjoining and connected with the pumping station, containing a stable constructed on the most approved plans, with seven stalls and all conveniences; including also a commodious wagon shed and storehouse, and a convenient workshop.

This enables us to concentrate the teams and all the material of every description needed for carrying on the work of the department at this one place, resulting in a great convenience and a large saving in time and energy heretofore necessarily spent by having the teams kept at one end of the city and the materials required to do our work kept at the other end.

A man is on duty night and day, so that emergencies can be attended to without delay, thus making it possible to repair leaks and breaks with the least inconvenience to the public.

The building cost, complete, \$15,513.55; this includes grading and filling outside, granolithic flooring, plumbing, heating, electric wiring, etc., not included in the contract. By the new arrangement we have been able to discontinue the use of one telephone and make savings in other directions sufficient to justify the cost of the new building.

The old buildings which had so long served the purpose of office, workshop and stable have been placed at the disposal of the City Council.

## HIGH SERVICE.

The high-service pumping plant has continued to work satisfactorily and is in first-class condition. The pump and woodwork of the pumping room have received a thorough cleaning and coat of varnish.

In order to carry out their plans, pending the completion of the Fells pumping station, the Metropolitan Water Board desired to use our pumping plant in connection with others in the Northern Metropolitan District, in order that the pumping might all be done into the general high-service system. Such an arrangement has, therefore, been made in order to facilitate the operation of the high-water service in that district.

## WATER REVENUE.

It is very gratifying to the Commissioners that the income department of the works has, the first year of its operation, made such an excellent showing.

Reference to the details furnished in the report of the superintendent shows the earnings of the water works for the year to have been about \$207,000.00, closely approaching our estimate of \$210,000.00, given a year ago. This variation is easily attributable to the general business depression, entailing a considerable falling off in building construction.

The Board has very carefully considered the question of giving to the water consumers a portion of the benefits which may come under the provisions of the Metropolitan Water Act, by which the city is now obtaining its water from the sources controlled by the Metropolitan Water Board. The matter was gone over in all its bearings, estimates having been carefully made of the probable earnings and expenditures of the works for the next ten years.

The increase in assessments under the Metropolitan Water Act were taken into consideration; the certainty of an early and large decrease in expenses of maintenance of our own works, and the probability of about the same ratio of increase in the earnings of the department as has been shown in the last ten years were given due weight.

On the basis of an average income for the next ten years of but \$210,000.00 per year and of average expenses for the same time, including payments of maturing bonds, interest requirements, maintenance and extension of our works, and Metropolitan water-works assessments, all of which, by a fair estimate, will not exceed \$127,000.00 per year, there would be an average surplus over expenses of \$83,000.00 per year.

On this conservative basis it appears that a ten per cent. reduction in the water rates might be made which would benefit the water-tax payers to the extent of about \$21,000.00 per year and would still leave a surplus of earnings to be devoted to municipal purposes of over \$60,000.00 yearly.

The judgment of your Commissioners culminated, therefore, in the passage of a vote on December 5th, to make a discount of ten per cent. on all water bills for the year 1899.



The Metropolitan Water Act provides in Section 20 that the Water Commissioners shall determine the rate to be paid for water by the owner of the premises to which water is furnished, subject to the approval of the Mayor and of the Metropolitan Water Board.

In accordance with these requirements of the statutes, a communication was sent to the Mayor on December 6th, stating the action of the Board and asking his approval of the proposed reduction in the water rates. A similar communication was also forwarded to the Metropolitan Water Board, and action thereon was taken by that body on December 9th, the new schedule of rates being approved by that Board.

Our Mayor, however, after having given the matter careful thought and consulted with representative citizens and taxpayers from different sections of the city, felt compelled to dissent from the judgment of the Board relative to the expediency of making a reduction at the present time, and in a letter dated January 5th, very courteously, and with a full explanation of his reasons, declined to give his assent to the proposed reduction, and, therefore, the action of the Water Commissioners therein became inoperative. The Commissioners regret that they were not permitted to carry out their intention regarding a reduction of the water charges, yet they hope by another year this may be brought about.

For details regarding the condition and operation of the works during the year, reference is asked to the report of the Superintendent, presented in connection herewith.

GEORGE D. WEMYSS.

GEORGE A. KIMBALL.

WM. FRANKLIN HALL.

*Board of Water Commissioners.*

## OFFICE OF SUPERINTENDENT OF THE WATER WORKS,

January 14, 1899.

TO THE BOARD OF WATER COMMISSIONERS:—

Following the usual custom, I respectfully submit herewith the annual detailed statement of the work performed by the water department during the year 1898.

The following table shows the

## RECEIPTS AND DISBURSEMENTS FOR THE YEAR 1898.

## WATER MAINTENANCE ACCOUNT.

|  | Dr.         | Cr.         |
|--|-------------|-------------|
| Amount appropriated by City Council from water revenue               |             | \$65,278.88 |
| Collections from sundry accounts for labor and materials .           |             | 3,178.18    |
| Collections from other sources .                                     |             | 102.00      |
| Balance from water service assessments . . . .                       |             | 383.95      |
| Materials furnished service department . . . .                       | \$ 1,597.06 |             |
| Labor and materials furnished sundry persons . . . .                 | 1,447.37    |             |
| Labor and materials used in maintenance of the water works . . . . . | 65,856.62   |             |
| Balance to credit of water debt .                                    | 41.96       |             |
|  | <hr/>       | <hr/>       |
|  | \$68,943.01 | \$68,943.01 |

## WATER WORKS EXTENSION ACCOUNT.

|  | Dr. | Cr.               |
|--|-----|-------------------|
| Amount appropriated by City Council from water revenue |     | \$20,000.00       |
| <i>Amount carried forward</i> . . . . .                |     | <hr/> \$20,000.00 |

|   |             |             |
|---|-------------|-------------|
| <i>Amount brought forward</i> . . . . .                               |             | \$20,000.00 |
| Amount transferred by City Council from maintenance account . . . . . |             | 7,000.00    |
| Labor and materials used in extension of the water works              | \$26,970.22 |             |
| Balance to credit of water debt .                                     | 29.78       |             |
|   | <hr/>       | <hr/>       |
|   | \$27,000.00 | \$27,000.00 |

## WATER SERVICE ACCOUNT.

|  | Dr.        | Cr.        |
|--|------------|------------|
| 204 water service assessments .                              |            | \$3,516.24 |
| Collections for extra labor and material on above services . |            | 8.98       |
| Labor and materials used in water service construction .     | \$3,141.27 |            |
| Balance transferred to water maintenance account . .         | 383.95     |            |
|  | <hr/>      | <hr/>      |
|  | \$3,525.22 | \$3,525.22 |

## ACCOUNTING DEPARTMENT.

The income of the water works is derived from the sale of water, the charges therefor being grouped in three general divisions, viz. :

Annual charges : made at the beginning of the year and payable in advance.

Additional charges : made during the year for fractional parts thereof, or for specific purposes.

Metered charges : made at the close of each quarter for the sale of water by meter for the preceding three months.

The following table gives a summary of the work of the income department to December 31 :—

|  |              |
|--|--------------|
| Total amount of all water bills rendered consumers in 1898 . . . . . | \$212,460.26 |
| Total amount abated consumers in 1898 . . . . .                      | 5,265.10     |
|  | <hr/>        |
| Apparent earnings of Water Department, 1898                          | \$207,195.16 |
| <i>Amount carried forward</i> . . . . .                              | \$207,195.16 |

|  |                    |
|--|--------------------|
| <i>Amount brought forward</i> . . . . .                              | \$207,195.16       |
| Total amount collected by City Treasurer, Dec.<br>31, 1898 . . . . . | 195,456.15         |
| Uncollected water bills Dec. 31, 1898 . . . . .                      | <u>\$11,739.01</u> |
| Uncollected bills are apportioned as follows : —                     |                    |
| Metered water charges due Jan.<br>1, 1899 . . . . .                  | \$11,700.95        |
| Annual water charges . . . . .                                       | 10.00              |
| Additional water charges . . . . .                                   | 28.06              |
|  | <u>\$11,739.01</u> |

From the above exhibit it will be seen that the water charges for the year have been practically all settled, the uncollected bills for metered water not being due until January 1, 1899, and consumers being then allowed ten days for their payment.

Herewith is shown a table giving the causes for which abatements were authorized and the amount of each : —

#### ABATEMENT TABLE.

|   |                   |
|---|-------------------|
| Vacant premises . . . . .                             | \$2,141.84        |
| Hose charges . . . . .                                | 1,475.00          |
| Changes in ownership . . . . .                        | 208.20            |
| Changes in premises, fixtures or occupation . . . . . | 520.15            |
| Incorrect valuations and assessments . . . . .        | 372.14            |
| Incorrect meter registration and reading . . . . .    | 406.94            |
| Supplies discontinued . . . . .                       | 123.83            |
| Uncollectible . . . . .                               | 17.00             |
|   | <u>\$5,265.10</u> |

The large abatement on vacant premises is accounted for by the fact that all premises, whether occupied or not, are assessed unless the water has been shut off or fixtures sealed by this department. It has been the policy of the department to be strictly equitable and as liberal as the merits of each case would warrant.

In many cases hose charges were abated on account of the changes made in the method of street watering. A large number of hose services on which abatements were granted early in the season, were afterwards again assessed and paid for.



It is expected that the abatement table will decrease in amount hereafter when conditions become more fully adjusted to our present system of accounting.

The card system of accounts which was devised for the clerical work of the department has, after a year's thorough test, demonstrated its entire adaptability to every requirement. The system is very flexible, and no failure in its operation has occurred.

During the month of January a large amount of work preparatory to getting the more than ten thousand water bills into the hands of the consumers is required to be performed in a very few days, and the modern methods which have been adopted in conjunction with the collecting department, could not be carried out by the use of the old style of book accounts. Except during the period above mentioned, two assistants are sufficient to perform all the office duties, which include a large amount of bookkeeping and routine work incidental to the operation of the department. Two temporary assistants are required during a portion of the month of January.

#### INSPECTION DEPARTMENT.

The city has been thoroughly canvassed for the data necessary in making up the yearly water charges ; every building has been inspected for water fixtures at least once, and each street has been traversed a second time for the purpose of obtaining any changes in buildings that may have been made since the first round.

The duties of the inspector require him also to have a sharp lookout for defective fixtures causing waste of water, and to see that the necessary remedies are applied. It has been found that one inspector is sufficient to perform all the duties required in this department and to be of assistance in other branches of the work. Defective fixtures have been discovered in 179 premises and the customary waste notices have been issued. In all these cases the department regulations have been complied with, and generally with promptness, only 11 second notifications having been necessary.

It may be argued that little attention need be paid to the subject of waste of water on account of the practically unlimited supply back of us, but it should be remembered that all the water furnished to this city has to be pumped at the Chestnut Hill station, and a large portion of it again pumped at our own station; consequently, the greater the waste, the larger the quantity of water that has to be pumped, and the correspondingly larger cost of operating the works, for which we are assessed our share.

#### RENEWAL OF STREET MAINS.

As has been the case in all recent years, the energy of the department in its street work has been most largely devoted to the replacing of the old cement-lined water mains with iron pipe. The pipes thus substituted have in most cases been of larger diameter than the old mains, thereby benefiting the circulating system by furnishing a greater abundance of water than was previously afforded.

Effort has been made the past season to relay all the street mains which have previously given the department any trouble, with the resultant effect that the number of breaks has been reduced to a minimum, and damages have been very slight.

A number of breaks occurred early in January, as the result of the increased pressure on our mains from the introduction of the Metropolitan water supply, and several were caused in December by the addition of the College Hill district to our high-service system. There is now in our streets about nine miles of the cement-lined pipe, which is growing weaker every year, and a large portion of it should be replaced during the coming season.

The work has been carried on in harmony with the highway department, and several streets which were to be repaired by that department have first received my attention by laying new water mains so that the streets need not be again dug up and the surface injured by the water works. There has been relaid during the year 22,643 feet of pipe of various sizes, as shown in the tabular statement appended hereto. The old pipe in Broadway, from Central street to Cedar street, has been abandoned, the high-service main now furnishing the supply along that line.

I recommend that the cement-lined pipes in the following streets be replaced with iron mains the coming season:—Adrian street, Berkeley street, Bow street place, Broadway westerly from Cedar street, Chapel street, Conwell avenue, Cooney street, Curtis street, Curtis avenue, Elm street, Elm court, Grove street, Howe street, Jenny Lind avenue, Line street, Main street, Marion street, Miller street, Moreland street, Oxford street, Park street, Professors' row, Quincy street, School street, Smith avenue, Villa avenue, Winslow avenue, Wyatt street and sundry connections, making a total of about 16,000 feet.

#### EXTENSION OF STREET MAINS.

Less call than usual has been made during the year for extension of the pipe system into new streets, owing largely to real estate depression and falling off in building operations. Several hundred feet of mains were laid on construction account in Cross street and Temple street, at the time the renewal work was in progress at those points, for the purpose of establishing a circulation for the high service, thereby doing away with a number of dead ends. The connecting up of dead ends and perfecting the high service circulating system should be made a special feature of the work of the coming season. Dead ends in water mains have come to be considered not only disagreeable, but an actual source of danger to the health of those who draw their water supply from them, and a speedy effort should be made to free our entire system of them.

The works have been extended during the year by the addition of 7,536 feet of pipe of various sizes, as shown in the tabular statement thereof. The total pipe mileage of the city is approximately 78 miles, 2,442 feet.

I renew my recommendation of last year that high service circulating mains be laid in Medford street, Central street, Munroe street, Bow street, Elm street, Beech street, and Cedar street, a total length of about 5,550 feet. As stated in another place, these mains can be advantageously extended to form a portion of a high pressure fire-pipe line. I also recommend that a 12-inch main be laid in Broadway over the B. & M. R. R. at North Somerville to carry a supply easterly from the



48-inch Metropolitan main near that point ; also that a 20-inch main be laid in Broadway westerly from Willow avenue, for the purpose of giving to that district the benefit of the connection with the Metropolitan main.

Now that we have a large connection with the Metropolitan main in Webster avenue, it would, in my judgment, be wise to extend a line of 16-inch pipe from the Webster avenue main through Glass House court into the packing-house district, and I recommend that this main be laid the coming season. Pipe should also be laid from Clark street through the new Lincoln Park before the roadway is completed, the contract date for which is July 1st.

#### SERVICE DEPARTMENT.

The service department of the works has made 205 new connections during the year, laying therefor 7,651 feet of pipe. One of the above services was transferred from the mains of the City of Cambridge to our own. The total number of service pipes laid to December 31, 1898, is 9,806, and the total length of pipe used in making the connections is 61 miles, 3,536 feet.

The usual amount of work has been required in the maintenance of the service system, repairing broken pipes, cleaning out sediment, lowering and raising boxes, etc.

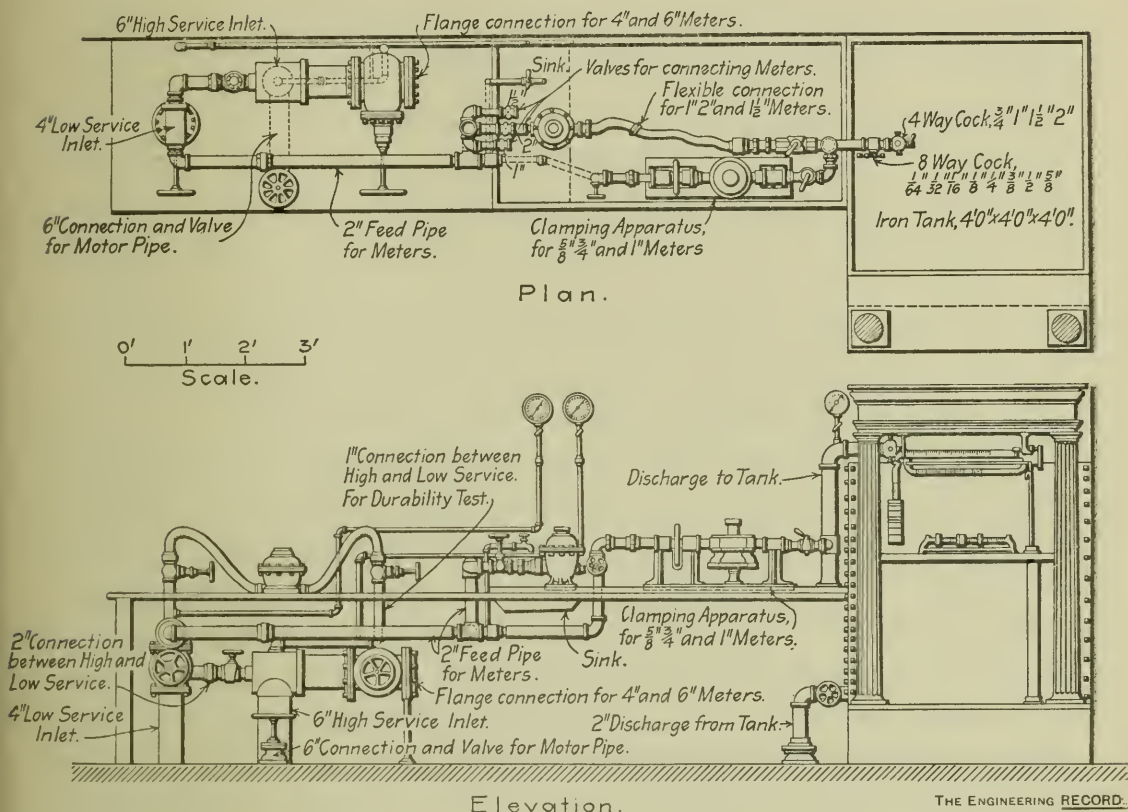
#### METER DEPARTMENT.

The proposition made by the City of Boston for the disposition of their water meters in this city not having received your favorable consideration, they were all removed by this department early in the year and new meters were set in their places. A number of requests have been made by consumers to take water by meter instead of on annual rates, but in accordance with your policy, meters have not been generally set except for manufacturing or business purposes, or where schedule rates could not readily be assessed.

The efficiency of the meter-testing plant constructed last year has been thoroughly demonstrated, and it has proved a valuable adjunct to the work of the department. The following



cut of the apparatus used is from the "Engineering Record" of October 8, which contains a description of the plant.



Meters are read monthly and billed quarterly. Other tables in connection with this report will give the revenue accruing from metered water and the class of premises on which meters are used.

|  |     |
|--|-----|
| The number of meters belonging to the City of Boston which were removed is . . . . . | 138 |
| Number set in place thereof . . . . .  | 134 |
| Operating meters added during the year . . . . .                                     | 12  |
| Meters removed during the year . . . . .   | 3   |
| Total number of meters in operation Dec. 31, 1898 . . . . .                          | 143 |
| Motor and Elevator Clocks in operation Dec. 31, 1898 . . . . .                       | 7   |
| Number of meters added to commence Jan. 1, 1899 . . . . .                            | 51  |
| Total number meters set . . . . .  | 194 |

## METERS IN USE DECEMBER 31, 1898.

|             | $\frac{5}{8}$ " | $\frac{3}{4}$ " | 1" | $1\frac{1}{2}$ " | 2" | 3" | 4" | 6" | Total |
|-------------|-----------------|-----------------|----|------------------|----|----|----|----|-------|
| Crown       | 5               | 6               | 5  | 1                | 2  | 1  | 1  | 1  | 22    |
| Gem         |                 |                 |    |                  |    |    | 1  |    | 1     |
| Hersey      |                 |                 | 10 | 1                | 3  | 3  |    |    | 17    |
| Hersey Disc | 1               |                 | 10 | 1                | 3  |    |    |    | 15    |
| Trident     | 11              | 19              | 16 | 5                | 4  | 1  | 2  |    | 58    |
| Union       |                 | 10              | 10 | 2                | 5  | 1  | 2  |    | 30    |
| Totals      | 17              | 35              | 51 | 10               | 17 | 6  | 6  | 1  | 143   |

## HYDRANTS, GATES, BLOW-OFFS, ETC.

The fire hydrants have been carefully inspected, imperfect ones replaced, necessary small repairs made, and their efficiency well maintained. The city has been divided into districts and competent men have been entrusted with the duty of examining monthly each hydrant in their respective districts, so as to reduce to a minimum the liability of their being out of order when most wanted. In connection with this duty, also, the men are instructed to watch sharply for protruding service boxes and main gate boxes, and to see that they are brought to the proper grade, thereby obviating the danger of accidental tripping over them.

Notwithstanding a city ordinance and department regulations, it has been a long-standing custom for the fire hydrants to be used for other than fire and water department purposes. Efforts have been made to regulate the use of the fire hydrants for these outside purposes, but without success. It may seem a hardship to deprive those who have been accustomed to use them of the privilege which they have so long enjoyed, but if, in your judgment, this freedom shall be continued, your superintendent should be relieved of the responsibility of any hydrants found in a damaged condition when they are needed for their legitimate fire purposes.

The gates of the water system are in good condition. Two 12-inch check valves have been set between the low and high-service systems ; one in Broadway, opposite Temple street,

and one in Holland street, opposite Gorham street. These valves are expected to open automatically in case the high service becomes disabled or cut off, and to allow the low pressure water to enter the mains, thus keeping the districts supplied; they have already demonstrated their usefulness. One 14-inch valve has been set on the line of our force main in Broadway, opposite Cedar street, by the Metropolitan Water Works and at their expense. An additional 8-inch connection has been made with the Metropolitan Water Works 30-inch supply main in Gilman square.

Two new water-posts have been set for the convenience of the street-watering department—one on Broadway, near Willow avenue, and one on School street, opposite the Cummings school. The post on Highland avenue, near Willow avenue, has been moved to Grove street, near Highland avenue; the post opposite No. 241 Highland avenue has been moved to a point opposite Crocker street, and the post on Broadway, corner of Melvin street, has been moved to the opposite side of the street on the park grounds.

It has been my policy to set these necessary structures, so far as the convenience of the watering carts will allow, abutting on public property, thereby removing the objections advanced by those who consider them unsightly and in the nature of a nuisance in front of private houses. One water-post was set on Wheatland street for the Metropolitan Park Commission at their expense.

Nineteen blow-offs have been constructed during the year. Fourteen of these have been placed on the dead ends of pipes and answer the useful purpose of clearing out the sediment which accumulates in such localities, and also of flushing the sewers. In my opinion, every water main in the city which cannot be made a portion of the direct circulating system, should be provided with a blow-off pipe, and I recommend that the number be largely increased the coming year.

The net increase in the number of fire hydrants during the year is 42; in main gates, 64; in water-posts, 3; in blow-offs, 19; check-valves, 2.

A relocation of all hydrants and water-posts has been made, from which it appears that 10 public hydrants should be



deducted from the lists previously published; 1 private hydrant and 1 water-post should be added. The following table is believed to be correct :—

|  |       |
|--|-------|
| Total number of public hydrants in the city .  | 822   |
| Total number of private hydrants in the city . | 41    |
| Total number of gates . . . . .                | 1,033 |
| Total number of check-valves . . . . .         | 2     |
| Total number of water-posts . . . . .          | 57    |
| Total number of blow-offs . . . . .            | 52    |

### HIGH SERVICE.

The high service has been operated in an economical and satisfactory manner. During the year the pump has run 3,186 hours and 287,760,000 gallons of water have been pumped into the system. In December the Metropolitan Water Works made connection between their 16-inch delivery main and our force main in Broadway, opposite Cedar street, as a part of the general scheme of eventually supplying our high-service territory from the new Metropolitan reservoir in the Middlesex Fells. Until the completion of that reservoir, the Northern high-service district is to be supplied by the combined pumping of the several stations included therein, of which ours is one.

Advantage has been taken of these conditions to give the high-water service to the College Hill and Clarendon Hill sections of the city, by making a connection with the Metropolitan main at the corner of Boston avenue and Professors' row. This will give an immediate increase in the water pressure of about 30 pounds per square inch in the district thus supplied, and this pressure will be still further increased when the system reaches completion.

The elevation of the new Fells reservoir will be sufficient to give an average static pressure of about 100 pounds per square inch at the hydrants in the principal squares and business districts in the city, and I would recommend that during the coming season, lines of pipe for fire hydrant service be laid in the following streets, viz.: in Bow street and Washington street, from Summer street to Bonner avenue, connecting thereto



the fire hydrants in Bow street and Union square; in Medford street and Pearl street, connecting the hydrants in Gilman square and vicinity; in Holland street and Elm street, connecting with the hydrants in Davis square and vicinity; and in Broadway, from Temple street to Walnut street, connecting thereto the hydrants in that business district. An auxiliary fire-pipe line might also be extended through Medford street, from Washington street to the large packing houses, affording to their hydrant and sprinkler systems the advantage of a largely increased pressure. These pipes could easily be made a portion of a dual system, should it ever be considered advisable to establish one.

#### METROPOLITAN WATER.

On January 1st, 1898, the Mystic Lake water was shut off from our mains and the supply from the Metropolitan works was introduced. There is now in operation, one through line of 48-inch pipe from Chestnut Hill to Spot Pond, and another of the same size is operated as far as the Mystic reservoir on College Hill. We are at present receiving our supply from these mains through a 20-inch connection in Webster avenue and a 16-inch in Pearl street on the former line, and a 12-inch connection in Elm street on the latter line.

Branches have been provided for connections at other points when needed. The system has been in successful operation throughout the year, and water of excellent quality and abundant quantity has been furnished us. During the early part of the year some complaint was made of the oily or fishy taste of the water; inquiry at the office of the Metropolitan Water Board elicited the information that this was caused by the appearance of a harmless vegetable organism in the water which develops at times and cannot be foreseen or prevented. This disappeared in a short time and has since given no trouble.

The water is not at present so clear and colorless as that which came to us from the Mystic Lake, but is improving in that respect slowly; it is expected that when the new Wachusett reservoir is completed and the water has an opportunity to bleach, it will be very colorless and will show a favorable comparison with that obtained by any municipality.

The Nashua River was diverted into the Metropolitan system of water works on April 1st and has since been flowing through our streets and on tap in our houses; the quantity brought down being, on December 31st, approximately fourteen billion gallons, or nearly enough to supply this city alone for ten years at the present rate of consumption.

The following analysis of the water now furnished us and that formerly supplied by the Mystic system will be interesting, a comparison showing the greatly superior quality of the Metropolitan water for all domestic purposes.



The sanitary analysis of water has for its object the determination of the amount, character, and condition of the organic matter and amount of mineral matter contained in solution and suspension in the water, for the purpose of ascertaining its fitness for potable purposes. In order to make the foregoing table more readily understood, the following explanation is given of the several determinations which are obtained in the chemical examination of surface water.

The general appearance of a water under examination is first observed for the character of its turbidity and the amount and nature of the sediment which it contains.

The color of water is due principally to organic matter produced from dissolving leaves and other vegetable matter, and is expressed by numbers which increase with the amount of color. The storage of water in large reservoirs for a long period of time has the effect of bleaching the water or eliminating from it a large amount of the coloring substances.

The odor of water varies at different seasons of the year and under different conditions. It is caused by infusoria and other micro-organisms, and is generally stronger when the water is heated.

Residue on evaporation is the solid matter, mineral and organic, remaining after evaporating water to dryness. By properly heating this residue the organic matter is burned off, the amount of which is indicated by the "loss on ignition." The fixed residue is the portion remaining after ignition and represents the amount of mineral matter in the water, being largely in the form of carbonates of lime, soda, etc.

Free ammonia is produced by the decomposition of organic matter. As ammonia in this form is one of the characteristic ingredients of sewage, its significance in a water analysis lies in the fact that its presence may indicate sewage pollution.

Albuminoid ammonia in suspension and in solution is derived generally from vegetable growths in the water, but may be of animal origin. It represents the nitrogenous elements of such matter before decomposition has begun.

Chlorine determinations express the amount of common salt in the water. Above a certain normal, which is, in the vicinity







WATER WORKS BUILDING — SOUTHERLY SIDE.

of Mystic Lake, about .35 part in 100,000, the presence of chlorine in surface waters is indicative of sewage pollution, and its excess may be considered a measure of such pollution.

Nitrogen is found in water in the form of nitrates and nitrites. The former is a combination of the completely oxidized form of the nitrogen of ammonia with alkalies or lime, and produces an excellent food which is readily absorbed by growing plants. In unpolluted water the nitrates are, therefore, always low and frequently entirely absent. High nitrates, in connection with nitrites or with free ammonia, indicate incomplete oxidization of organic matter.

Nitrites are formed by the combination of nitrous acid with a soda or other base. In unpolluted waters their presence is in very minute amounts. When the quantity is large, say .0005 part per 100,000, associated with high free ammonia, it is an evidence of considerable sewage pollution.

The hardness of water is expressed by numbers which indicate the degree of hardness shown in terms of an equivalent amount of carbonate of lime in parts per 100,000; the hardness increasing with the number.

An interpretation of the two analyses given herewith indicates a practical freedom from unsanitary conditions in the Metropolitan water, while the water from Mystic Lake shows a high degree of pollution.

### BUILDINGS.

On the 28th of May a contract was awarded by you to Rufus E. Lord for the construction of a stable, wagon shed and workshop in connection with the pumping-station building on Cedar street, on plans furnished by Aaron H. Gould, architect, for the sum of \$10,173.00, exclusive of excavating, flooring, heating, plumbing, lighting and grading. The first earth was thrown out for the foundation on May 23rd, and the completed stable was occupied on October 15, the old building on Prospect street which had been used as headquarters for the department for twenty-one years, being abandoned and the keys turned over to the City Council on that date.

The new structure is a brick building, and consists of a stable of seven stalls, harness room, toilet room, closets and

office, connected with the pumping station, with commodious loft and sleeping room overhead. Adjoining this is a wagon shed, with wash-room opening out of the stable and a storage loft over the whole. At the extreme end of the wagon shed is a large storage room on the ground floor, and over this is the machine and carpenter shop of the department.

The stable, wash-room and work shop are heated by steam ; the entire building is lighted by electricity. Hot and cold water are in the harness, toilet, and wash-rooms, and a fire pipe with three hose attachments extends through the building.

The entire floor of the stable is composed of granolithic, and that of the wash-room is asphalt on a concrete base built on I beams. Under the wash-room is the manure pit, to which all the soil pipes lead so they can be readily cleaned, the stone floor of the stable proper being constructed on solid filling. The stall basins are constructed of granolithic, on original designs, and are very simple and cleanly, all iron work being dispensed with.

The building as a whole is of pleasing architecture, complete in all its appointments, and is a creditable addition to the public buildings of the city. A large amount of filling was needed to bring the surface up to the required grade ; the loam was stripped from the plot covered by the building, and has been used for a top dressing on the street side. The entire cost has been \$15,513.55, apportioned as follows :—

Building : —

|  |             |
|--|-------------|
| Contract . . . . .                           | \$10,173.00 |
| Additions and alterations .                  | 775.36      |
| Architect : plans and services               | 670.00      |
| Floors and filling for same .                | 767.43      |
| Plumbing and heating . . .                   | 900.86      |
| Electric wiring and fittings .               | 184.09      |
| Stable fittings . . . . .                    | 165.44      |
| Sundry materials and ex-<br>penses . . . . . | 122.02      |
| <hr/>  |             |
| <i>Amount carried forward</i> .              | \$13,758.20 |



|  |             |             |
|--|-------------|-------------|
| <i>Amount brought forward</i> .                  | \$13,758.20 |             |
| Labor: Excavating, filling and grading . . . . . | 373.72      |             |
| Materials: Filling and grading grounds . . . . . | 1,381.63    |             |
|  | <hr/>       | \$15,513.55 |

I recommend that the open lot between the buildings and Cedar street be filled in as the opportunity offers, and that the grounds be graded and laid out in an ornamental manner.

The pumping station building is in good repair; the standpipe should be painted inside and outside as soon as conditions will permit. The grounds about the standpipe have been still further improved by setting out trees and shrubs, furnished by florist Howard, and by next summer should present a very attractive appearance.

For further details concerning the work of the department during the year, I ask your attention to the tables appended hereto.

I beg to acknowledge the continued courtesy which you have shown me in the performance of the manifold duties entrusted to me, and also to express my appreciation of the interest shown in the work by all the employes under my charge.

FRANK E. MERRILL,  
*Superintendent.*









LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC. — *Concluded.*

| NAME<br>OF STREET. | FROM   | To   | PIPE LAID. |           | GATES<br>SET. |     | HYDRANTS SET.    |     | BLOW-<br>OFFS. |     | CHECK<br>VALVES. |     | WATER-POSTS. |
|--------------------|--|--|------------|-----------|---------------|-----|------------------|-----|----------------|-----|------------------|-----|--------------|
|                    |  |  | Size.      | No. feet. | Size.         | No. | Kind.            | No. | Size.          | No. | Size.            | No. |              |
| Virginia st.       | Con. with Jasper st.<br>Main in Highland ave.<br>Main in Broadway<br>Blow-off<br>Hydrant<br>Con. with Mt. Vernon st.<br>Blow-off<br>Blow-off<br>Main in Willow ave.<br>Hydrant<br>Gate | Con. with old pipe<br>Main in Fairmount ave. | 9"         | 33        | 6"            | 1   | Holyoke          | 1   | 6"             | 1   |                  |     |              |
| Waldo st.          |  |  | 6"         | 126       | 6"            | 2   |                  |     |                |     |                  |     |              |
| Watson st.         |  |  | 6"         | 313       | 6"            | 2   |                  |     |                |     |                  |     |              |
| Webster ave.       |  |  | 6"         | 13        | 6"            | 1   |                  |     |                |     |                  |     |              |
| Wesley pk.         |  | Con. with 4" pipe in Wheeler st.             | 6"         | 6         | 6"            |     | B. M.            | 1   | 4"             | 1   |                  |     |              |
| Wheeler st.        |  |  | 6"         | 34        | 6"            |     |                  |     |                |     |                  |     |              |
| Willow pl.         |  |  | 4"         | 20        | 4"            | 1   |                  |     |                |     |                  |     |              |
| Wilson ave.        |  |  | 4"         | 10        | 4"            | 1   |                  |     |                |     |                  |     |              |
| Windsor road       |  | Main in Gordonia road                        | 6"         | 632       | 6"            | 2   | Mathews<br>B. M. | 1   | 4"             | 1   |                  |     |              |
| Winthrop ave.      |  |  | 6"         | 6         | 6"            |     |                  |     |                |     |                  |     |              |
| Winthrop ave.      |  |  |            |           | 6"            | 1   |                  |     |                |     |                  |     |              |
|                    |  |  |            | 7,536     |               | 66  |                  | 47  |                | 19  |                  | 2   | 2            |

## LOCATION AND LENGTH OF PIPES RELAID, GATES AND HYDRANTS RESET, 1898.

| NAME<br>OF STREET. | FROM                       | To                                 | PIPE LAID.    |         |              | GATES. |     |        |     | HYDRANTS. |     |                        |
|--------------------|----------------------------|------------------------------------|---------------|---------|--------------|--------|-----|--------|-----|-----------|-----|------------------------|
|                    |                            |                                    | Size.         |         | Length.      | Aband. |     | Reset. | No. | Aband.    |     | Reset.                 |
|                    |                            |                                    | Aband.        | Relaid. |              | Size.  | No. |        |     | Kind.     | No. |                        |
| Allston st.        | Main in Cross st.          | Con. with Shawmut pl.              | 4"            | 6"      | 577          | 4"     | 1   | 6"     | 1   |           |     |                        |
| Allston st.        | Hydrant connection         |                                    | 4"            | 6"      | 4            | 4"     | 2   | 6"     | 2   |           |     |                        |
| Arlington st.      | Con. with Franklin st.     | Con. with Lincoln st.              | 4"            | 6"      | 497          | 3"     |     |        |     |           |     |                        |
| Ashland st.        | W. line Summer st.         | E. line Sartwell ave.              | 3"            | 6"      | 467          |        |     |        |     |           |     |                        |
| Belmont st.        | 6' N. from Somerville ave. | 12' S. from Summer st.             | 4"            | 8"      | 1,221        | 4"     | 1   | 8"     | 1   |           |     |                        |
| Belmont st.        | Hydrant connection         |                                    | 4"            | 6"      | 4            | 4"     | 2   | 12"    | 3   | B. M.     | 1   | B. M.                  |
| Broadway           | Con. with Packard ave.     | Dead end, near Alewife Brook       | 4' 8".<br>10" | 10"     | 2,174<br>458 | 10"    | 1   |        |     | B. M.     | 3   | { Holyoke<br>Mathews } |
| Broadway           | Hydrant connection         |                                    |               | 6"      | 23           |        |     |        |     |           |     |                        |
| Broadway           | Con. with Marshall st.     | Con. with Temple st.               | 8"            | 12"     | 133          | 8"     | 1   |        |     |           |     |                        |
| Broadway           | Hydrant connection         |                                    | 6"            | 6"      | 18           | 8"     | 2   | 12"    | 1   | Holyoke   | 1   | Mathews                |
| Broadway           | Main in Medford st.        | Dead end                           | 8"            | 12"     | 459          | 8"     | 1   | 4"     | 1   | B. M.     | 2   | B. M.                  |
| Broadway           | Hydrant connection         | Dead end                           | 4"            | 6"      | 16           | 3"     | 1   | 10"    | 1   |           |     |                        |
| Broadway pl.       | S. line Broadway           |                                    | 6"            | 10"     | 194          | 6"     | 1   |        |     |           |     |                        |
| Cameron ave.       | Con. with Holland st.      | Con. with H. S. main,<br>Cross st. | 4"            | 6"      | 25           | 4"     | 1   | 6"     | 1   |           |     |                        |
| Chester ave.       | Con. with Medford st.      |                                    | 6"            | 8"      | 735          | 6"     | 1   | 8"     | 1   |           |     |                        |
| Clarendon ave.     | Con. with Broadway.        |                                    | 4"            | 6"      | 19           | 4"     | 2   | 12"    | 2   | B. M.     | 1   | B. M.                  |
| Crescent st.       | Con. with Pearl st.        | 50' N. from Wash'ton st.           | 4"            | 6"      | 550          | 4"     | 1   |        |     |           |     |                        |
| Cross st.          | Main in Medford st.        | Con. with Allston st.              | 4"            | 12"     | 227          | 6"     | 2   | 12"    | 2   |           |     |                        |
| Curtis st.         | Main in Broadway           | Con. with Professors' row          | 6"            | 12"     | 1,790        | 6"     |     |        |     | B. M.     | 2   | { B. M.<br>Holyoke }   |
| Curtis st.         | Hydrant connection         |                                    | 6"            | 6"      | 24           |        |     |        |     |           |     |                        |
| Cutter ave.        | E. line Summer st.         | Con. with iron pipe                | 4"            | 6"      | 422          | 4"     |     |        |     |           |     |                        |
| Dane ave.          | 9' E. from Dane st.        | Con. with Leland st.               | 4"            | 8"      | 570          | 4"     |     |        |     |           |     |                        |
| Dane ave.          | Hydrant connection         |                                    | 4"            | 6"      | 5            | 6"     |     |        |     |           |     |                        |
| Durham st.         | N. line Beacon st.         | Main in Hanson st.                 | 6"            | 6"      | 443          | 4"     |     |        |     | B. M.     | 1   | B. M.                  |
| Durham st.         | Hydrant connection         |                                    | 6"            | 6"      | 5            | 4"     |     |        |     | Bigelow   | 1   | Bigelow                |
| Elmwood st.        | Main in Holland st.        | Con. with iron pipe                | 4"            | 6"      | 498          | 4"     | 1   | 8"     | 1   |           |     |                        |
| Fairlee st.        | Main in Cherry st.         | Dead end                           | 3"            | 6"      | 166          | 3"     |     |        |     |           |     |                        |
| Fairlee st.        | Hydrant connection         |                                    | 3"            | 6"      | 5            |        |     |        |     |           |     |                        |

| NAME<br>OF STREET. | FROM                            | TO   | PIPE LAID. |           |         | GATES.     |       |        |     | HYDRANTS.                      |       |                   |     |
|--------------------|---------------------------------|--|------------|-----------|---------|------------|-------|--------|-----|--------------------------------|-------|-------------------|-----|
|                    |                                 |  | Size.      |           | Length. | Aband.     |       | Reset. | No. | Aband.                         |       | Reset.            | No. |
|                    |                                 |  | Aband.     | Relaid.   |         | Aband.     | Size. |        |     | Kind.                          | Size. |                   |     |
| Farm lane          | Con. with Broadway              | Con. with Lincoln ave.<br>Main in Vine st.   | 6"         | 8"        | 30      | 6"         | 6"    | 1      | 1   | Holyoke                        | 8"    | Holyoke           | 1   |
| Florence st.       | Con. with Pearl st.             |  | 4"         | 6"        | 19      | 4"         | 6"    | 1      | 1   |                                | 6"    |                   |     |
| George st.         | S. line Broadway                |  | 3"         | 6"        | 295     | 6"         | 6"    |        |     |                                |       |                   |     |
| Gorham st.         | Con. with Holland st.           |  | 6"         | 8"        | 16      | 6"         | 6"    |        |     |                                |       |                   |     |
| Hanson st.         | Con. with Durham st.            | Hydrant connection<br>Con. with Arlington st.<br>Con. with Temple st.<br>Heath st. | 4"         | 6"        | 573     | 4"         | 6"    | 1      | 1   | Chapman                        | 6"    | Chapman           | 2   |
| Hanson st.         | Hydrant connection              |  | 4"         | 6"        | 5       | 4"         | 6"    |        |     |                                |       |                   |     |
| Hathorn st.        | Con. with Arlington st.         |  | 4"         | 6"        | 13      | 4"         | 6"    |        |     |                                |       |                   |     |
| Heath st.          | Con. with Temple st.            |  | 6"         | 8"        | 15      | 6"         | 8"    |        |     |                                |       |                   |     |
| Heath st.          | Hydrant connection              | Con. with Lawrence st.<br>Main in Broadway   | 6"         | 6"        | 20      | 6"         | 6"    | 1      | 1   | { B. M.<br>Coffin<br>Chapman } | 8"    | Mathews<br>Coffin | 2   |
| Hinckley st.       | Main in Broadway                |  | 6"         | 8"        | 371     | 6"         | 12"   | 4      | 4   |                                | 12"   |                   |     |
| Holland st.        | Con. with Winter st.            |  | 10"        | 12"       | 2,360   | 10"        | 12"   |        |     |                                |       |                   |     |
| Holland st.        | Hydrant connection              |  | 6"         | 6"        | 74      | 6"         | 6"    |        |     |                                |       |                   |     |
| Irving st.         | Con. with Holland st.           | Con. with iron pipe  | 8"         | 8"        | 5       | 8"         | 6"    | 1      | 1   |                                | 6"    |                   | 1   |
| Jaques st.         | W. line Temple st.              |  | 4"         | 6"        | 529     | 4"         | 6"    |        |     |                                |       |                   |     |
| Jay st.            | Con. with Holland st.           |  | 6"         | 6"        | 25      | 6"         | 6"    |        |     |                                |       |                   |     |
| Lincoln ave.       | End 6" pipe near Lincoln st.    |  | 4"         | 6"        | 426     | 4"         | 6"    | 1      | 1   |                                | 6"    |                   |     |
| Lincoln ave.       | Hydrant connection              | Main in Perkins st.  | 4"         | 6"        | 4       | 4"         | 6"    | 2      | 2   |                                | 6"    |                   | 2   |
| Mt. Vernon st.     | N. line Washington st.          |  | 6"         | 10"       | 1,075   | 6"         | 10"   |        |     |                                | 10"   |                   |     |
| Mt. Vernon st.     | Hydrant connection              |  | 4"         | 6"        | 9       | 4"         | 6"    | 1      | 1   |                                | 8"    |                   |     |
| Myrtle st.         | Con. with Pearl st.             |  | 6"         | 8"        | 50      | 6"         | 8"    | 1      | 1   |                                | 8"    |                   |     |
| Newbury st.        | Con. with Holland st.           | Northerly  | 6"         | 8"        | 25      | 6"         | 8"    | 1      | 1   |                                | 8"    |                   | 2   |
| Packard ave.       | Con. with Professors' row       |  | 12"        | 12"       | 22      | 12"        | 12"   |        |     |                                |       |                   |     |
| Paulina st.        | Con. with Holland st.           |  | 6"         | 10"       | 42      | 6"         | 10"   | 1      | 1   |                                | 12"   |                   |     |
| Pearl st.          | Con. with Crescent st.          |  | { 8"<br>4" | 12"<br>6" | 754     | 8"<br>4"   | 6"    | 1      | 1   |                                | 6"    |                   |     |
| Pearl st.          | Hydrant connection              | 18' S. from N. line Washington st.   | 4"         | 6"        | 326     | 4"         | 6"    |        |     |                                |       |                   | 2   |
| School st.         | Con. with Medford st.           |  | 6"         | 6"        | 7       | 6"         | 6"    |        |     |                                |       |                   |     |
| Shawmut st.        | Con. with L. S. main, Cross st. |  | 4"         | 8"        | 14      | 4"         | 8"    | 1      | 1   |                                | 8"    |                   |     |
|                    |                                 |  | { 4"<br>8" | 8"        | 640     | { 4"<br>8" | 8"    |        |     |                                |       |                   |     |

LOCATION AND LENGTH OF PIPES RELAID, GATES AND HYDRANTS RESET, 1898. — *Concluded.*

| NAME<br>OF STREET. | FROM                  | TO                   | PIPE LAID. |       |         | GATES. |        |     |     | HYDRANTS. |         |        |
|--------------------|-----------------------|----------------------|------------|-------|---------|--------|--------|-----|-----|-----------|---------|--------|
|                    |                       |                      | Aband.     | Size. | Length. | Aband. | Reset. |     | No. | Aband.    | Kind.   | Reset. |
|                    |                       |                      |            |       |         |        | Size.  | No. |     |           |         |        |
| Shawmut pl.        | Main in Shawmut st.   | Main in Allston st.  | 4"         | 6"    | 214     | 4"     | 6"     | 1   | 1   |           |         |        |
| Temple st.         | Main in Broadway      | Con. with iron pipe  | 8"         | 12"   | 1,349   | 8"     | 12"    | 1   | 1   |           |         |        |
| Temple st.         | Hydrant connection    |                      | 6"         | 6"    | 16      | 6"     | 6"     |     |     | Mathews   | Mathews | 1      |
| Thorndike st.      | Con. with Holland st. |                      | 6"         | 8"    | 25      | 6"     | 8"     |     |     |           |         |        |
| Vine st.           | N. line Beacon st.    | Dead end at F. R. R. | 6"         | { 10" | 660     | 6"     | 8"     | 2   | 2   |           |         |        |
| Vine st.           | Hydrant connection    |                      | 6"         | 6"    | 15      | 6"     | 6"     |     |     |           |         |        |
| Wallace st.        | Con. with Holland st. |                      | 8"         | 8"    | 3       | 8"     | 8"     |     |     | Chapman   | Chapman | 1      |
| Walnut st.         | N. line Pearl st.     | S. line Bonair st.   | 6"         | 12"   | 740     | 6"     | 12"    |     |     |           |         |        |
| Walnut st.         | Hydrant connection    |                      | 6"         | 6"    | 7       | 6"     | 6"     |     |     | B. M.     | B. M.   | 1      |
| Winter st.         | Con. with Holland st. |                      | 6"         | 6"    | 5       | 6"     | 6"     |     |     |           |         |        |
| Winthrop ave.      | Con. with Broadway    |                      | 1 1/4"     | { 8"  | 125     | 1 1/4" | 8"     |     |     |           |         |        |
|                    |                       |                      |            | 6"    | 6       |        |        |     |     |           |         |        |
|                    |                       |                      |            |       | 22,643  |        |        | 39  | 37  |           |         | 18     |





BUILDING USED BY WATER DEPARTMENT FROM 1875 TO 1898. PROSPECT STREET, COR. SOMERVILLE AVENUE.

Building erected in Central Square in 1836, for Prospect Hill Primary and Grammar Schoolhouse. Abandoned for school purposes in 1861, and moved to its present location.

Converted into trial justice court-room and a tenement in 1861 and continued as such until 1871. Used as police station and lockup from 1871 to 1875. Occupied by the Water Department from 1875 to 1898. New headquarters of the Veteran Fireman's Association.



## HYDRANTS—CONSTRUCTION ACCOUNT.

New hydrants have been set in the following locations:—

Allston street, 212 feet south from Cross street, 6-inch Mathews.

Arlington street, 36 feet from Hathorn street, 6-inch Holyoke.

Ashland street, 268 feet south from Summer street, 4-inch Boston Machine.

Belmont street, opposite Pitman street, 6-inch Mathews.

Belmont street, 10 feet north from Belmont place, 6-inch Mathews.

Belmont street, 243 feet south from Summer street, 6-inch Holyoke.

Benton road, corner of Cambria street, 6-inch Holyoke.

Benton road, 28 feet south from Highland avenue, 6-inch Chapman.

Bond street, 205 feet north from Heath street, 6-inch Chapman.

Broadway, 32 feet east from Westminster street, 6-inch Mathews.

Broadway, opposite Watson street, 6-inch Mathews.

Broadway, 138 feet west from Waterhouse street, 6-inch Holyoke.

Broadway, 115 feet west from Rogers avenue, 6-inch Mathews.

Conwell street, 6 feet south from Highland avenue, 6-inch Holyoke.

Conwell street, 3 feet north from Francis street, 6-inch Holyoke.

Curtis street, 24 feet south from Professors' row, 6-inch Mathews.

Curtis street, 3 feet south from Electric avenue, 6-inch Mathews.

Curtis street, 6 feet north from Broadway, 6-inch Holyoke.

Durham street, opposite Skehan street, 6-inch Holyoke.

Elmwood street, 9 feet south from Holland street, 6-inch Coffin.

Garrison avenue, 235 feet south from Broadway, 4-inch Boston Machine.

Hanson street, 12 feet south from Village street, 6-inch Holyoke.

Hanson street, 6 feet south from Skehan street, 6-inch Holyoke.

Highland avenue, 214 feet east from Spring Hill terrace, 6-inch Mathews.

Hinckley street, 106 feet south from Broadway, 4-inch Boston Machine.

Holland street, 3 feet south from Paulina street, 6-inch Mathews.  
Jasper street, 5 feet south from Virginia street, 6-inch Mathews.  
Josephine avenue, 397 feet north from Morrison street, 4-inch  
Boston Machine.

Leland street, 14 feet south from Dane avenue, 6-inch Chapman.  
Liberty avenue, 3 feet north from Kidder avenue, 6-inch  
Mathews.

Lowell street, 163 feet south from Highland avenue, 6-inch  
Mathews.

Mt. Vernon street, 246 feet north from Washington street,  
6-inch Holyoke.

Newbury street, 15 feet south from Holland street, 6-inch  
Mathews.

North street, 18 feet north from Broadway, 6-inch Mathews.

Pearl street, 50 feet west from Crescent street, 6-inch Mathews.

Shawmut street, 153 feet north from Shawmut place, 6-inch  
Mathews.

Temple street, 124 feet south from Sewall street, 6-inch Holyoke.

Temple street, 5 feet south from Sydney street, 6-inch Holyoke.

Temple street, corner of Broadway, 6-inch Mathews.

Temple street, 10 feet south from Derby street, 6-inch Mathews.

Thorndike street, 4 feet south from Holland street, 6-inch  
Mathews.

Victoria street, 255 feet south from Broadway, 6-inch Holyoke.

Vine street, 15 feet east from Beacon street, 6-inch Corey.

Waldo street, 6 feet north from Highland avenue, 6-inch  
Holyoke.

Wesley park, 145 feet north from Bow street, 4-inch Boston  
Machine.

Windsor road, 86 feet east from Willow avenue, 6-inch Mathews.

Winthrop avenue, 6 feet north from Broadway, 4-inch Boston  
Machine.

#### HYDRANTS. — RENEWAL ACCOUNT.

The following changes have been made in the kind and  
location of hydrants : —

Belmont street, 4-inch B. M. hydrant, set 421 feet south from  
Belmont place, and 4-inch B. M. hydrant removed from  
430 feet south from Belmont place.



- Broadway, 6-inch Mathews hydrant, set opposite Temple street, and 4-inch Holyoke hydrant removed from opposite Marshall street.
- Broadway, 4-inch B. M. hydrant, set 20 feet west from Farm lane, and 4-inch B. M. hydrant removed from 118 feet west from Farm lane.
- Broadway, 6-inch Holyoke hydrant, set 237 feet east from Endicott avenue, and 4-inch B. M. hydrant removed from 174 feet east from Endicott avenue.
- Broadway, 6-inch Holyoke hydrant, set 9 feet west from Garrison avenue, and 4-inch B. M. hydrant removed from 9 feet west from Victoria street.
- Broadway, 6-inch Mathews hydrant, set 330 feet west from Waterhouse street, and 4-inch B. M. hydrant removed from same location.
- Crescent street, 4-inch B. M. hydrant, set 80 feet south from Hadley place, and 4-inch B. M. hydrant removed from opposite Hadley place.
- Curtis street, 4-inch B. M. hydrant, set 44 feet north from house No. 54, and 4-inch B. M. hydrant removed from 64 feet north from Electric avenue.
- Curtis street, 6-inch Holyoke hydrant, set 6 feet south from Raymond avenue, and 4-inch B. M. hydrant removed from opposite Raymond avenue.
- Dane avenue, 4-inch B. M. hydrant, set 162 feet west from Leland street, and 4-inch B. M. hydrant removed from 81 feet west from Leland street.
- Durham street, 4-inch Bigelow hydrant, set 5 feet west from Hanson street, and 4-inch Bigelow hydrant removed from 50 feet west from Hanson street.
- Hanson street, 4-inch Holyoke hydrant, set 9 feet south from Nevada avenue, and 4-inch Holyoke hydrant removed from 38 feet north from Skehan street.
- Holland street, 6-inch Coffin hydrant, set 8 feet north from B. & M. R. R. crossing, and 6-inch Chapman hydrant removed from 170 feet south from Wallace street.
- Holland street, 6-inch Mathews hydrant, set 5 feet south from Jay street, and 4-inch B. M. hydrant removed from 78 feet south from Newbury street.

Holland street, 6-inch Mathews hydrant, set 94 feet south from Claremon street, and 4-inch B. M. hydrant removed from 115 feet south from Claremon street.

Temple street, 6-inch Mathews hydrant, set 10 feet north from Jaques street, and 6-inch Mathews hydrant removed from 50 feet north from Jaques street.

Vine street, 6-inch Chapman hydrant, set opposite Eliot street, and 6-inch Chapman hydrant removed from 173 feet east from Beacon street.

Walnut street, 6-inch B. M. hydrant, set opposite Veazie street, and 6-inch B. M. hydrant removed from 30 feet south from Veazie street.

Broadway, 4-inch B. M. hydrant, removed from 11 feet west from Norwood avenue.

Heath street, 6-inch Chapman hydrant, removed from corner of Bond street.

Heath street, 6-inch Chapman hydrant, removed from 50 feet west from Temple street.

Holland street, 6-inch Coffin hydrant, removed from 89 feet north from Thorndike street.

Holland street, 6-inch Coffin hydrant, removed from 82 feet south from Elmwood street.

All hydrants have been thoroughly inspected and necessary repairs made. All have been painted and are now in excellent condition. Expense of maintenance and repairs of hydrants, for inspection, labor and materials used in repairs, teaming, painting, etc., has been \$689.33.

## RECAPITULATION.

|  |       |     |
|--|-------|-----|
| Number of public hydrants set in 1898 . . .                            | 65    |     |
| “ “ private “ “ “ “ . . .  | 0     |     |
|  | <hr/> |     |
| Total number of hydrants set in 1898 . . .                             |       | 65  |
| Number of hydrants removed in 1898 . . .                               |       | 23  |
| Net increase in number of public hydrants, 1898 .                      | 42    |     |
| “ “ “ “ “ private “ “ .  | 0     |     |
|  | <hr/> |     |
| Total net increase in number of hydrants, 1898 .                       |       | 42  |
| Total number of public hydrants in the city . .                        | 822   |     |
| “ “ “ private “ “ “ “ . .  | 41    |     |
|  | <hr/> |     |
| Total number of all hydrants in the city, January 1,<br>1899 . . . . . |       | 863 |

## LOCATION OF HYDRANTS.

Adams street, 11 feet south from Broadway.  
Adams street, 221 feet south from Broadway.  
Adams street, 266 feet north from Medford street.  
Adams street, 10 feet north from Medford street.  
Adrian street, 106 feet east from Marion street.  
Adrian street, 220 feet south from Joseph street.  
Allen street, 9 feet north from Charlestown street.  
Albion street, 74 feet west from Centre street.  
Albion street, 396 feet west from Central street.  
Albion street, 217 feet east from Lowell street.  
Albion street, 421 feet east from Cedar street.  
Aldersey street, 276 feet west from Walnut street.  
Alpine street, 280 feet east from Cedar street.  
Alpine street, 76 feet west from Princeton street.  
Alpine street, 298 feet west from Lowell street.  
Allston street, 212 feet east from Cross street.  
Allston street, 10 feet west from Shawmut place.  
Ames street, 123 feet west from Central street.  
Appleton street, 3 feet east from Clifton street.  
Appleton street, 41 feet west from Willow avenue.  
Arlington street, 36 feet east from Hathorn street.  
Arthur street, 29 feet south from Broadway.  
Ash avenue, 300 feet north from Meacham street.  
Ashland street, 268 feet south from Summer street.  
Auburn avenue, 239 feet west from Cross street.  
Auburn avenue, 481 feet west from Cross street.  
Austin street, 81 feet south from Mystic avenue.  
Austin street, 66 feet north from Benedict street.  
Austin street, 2 feet north from Broadway.  
Avon street, 233 feet east from Central street.  
Avon street, 572 feet west from School street.  
Banks street, 310 feet south from Summer street.  
Bartlett street, 230 feet south from Broadway.  
Bartlett street, 15 feet south from Ames street.  
Bartlett street, 10 feet south from Robinson street.  
Beacon street, 316 feet west from Greenwood terrace.



Beacon street, 10 feet east from Stanford terrace.  
Beacon street, 46 feet west from Sacramento street.  
Beacon street, 15 feet west from Kent street.  
Beacon street, 4 feet west from Ivaloo street.  
Beacon street, 68 feet east from Park street.  
Beacon street, 18 feet east from Durham street.  
Beacon street, 26 feet east from Washington street.  
Beacon street, 90 feet east from Calvin street.  
Beacon street, 194 feet east from Calvin street.  
Beacon street, 28 feet west from Buckingham street.  
Beacon street, 208 feet east from Buckingham street.  
Beacon street, 6 feet east from Concord avenue.  
Beech street, 4 feet south from Atherton street.  
Beech street, 31 feet east from Spring street.  
Belmont street, 206 feet north from Spring Hill terrace.  
Belmont street, 241 feet north from Summer street.  
Belmont street, 243 feet south from Summer street.  
Belmont street, 10 feet north from Belmont place.  
Belmont street, 222 feet south from Belmont place.  
Belmont street, 185 feet north from Somerville avenue.  
Benedict street, 33 feet east from Mystic street.  
Bennett street, 166 feet east from Prospect street.  
Benton road, 2 feet north from Cambria street.  
Benton road, 28 feet south from Highland avenue.  
Berkeley street, 8 feet east from Central street.  
Berkeley street, 150 feet east from Hersey street.  
Berkeley street, 28 feet west from School street.  
Berkeley street, 212 feet west from Hersey street.  
Billingham street, 126 feet north from William street.  
Bolton street, 203 feet north from Houghton street.  
Bolton street, 3 feet south from Oak street.  
Bonair street, 26 feet west from Cross street.  
Bonair street, 90 feet east from Autumn street.  
Bonair street, 121 feet east from Arthur street.  
Bonair street, 67 feet east from Dana street.  
Bonair street, opposite Melvin street.  
Bonair street, 117 feet east from Walnut street.  
Bond street, 63 feet south from Jaques street.

Bonner avenue, 171 feet north from Washington street.

Boston avenue, 110 feet south from bridge over Mystic river.

Boston avenue, 492 feet north from Gove street.

Boston street, 207 feet west from Bigelow street.

Boston street, 87 feet east from Bigelow street.

Boston street, 6 feet north from High street.

Bow street, 83 feet east from Walnut street.

Bow street, 23 feet west from Wesley park.

Bow street, 25 feet east from Bow street place.

Bowdoin street, 65 feet north from Fremont avenue.

Bradley street, 26 feet south from Veazie street.

Brastow avenue, 202 feet east from Porter street.

Brastow avenue, 115 feet west from Lowell street.

Broadway, 50 feet east from Mt. Pleasant street.

Broadway, 20 feet west from George street.

Broadway, 21 feet west from Broadway place.

Broadway, 83 feet east from Cutter street.

Broadway, 7 feet east from Glen street.

Broadway, 21 feet east from Rush street.

Broadway, 15 feet west from Cross street.

Broadway, 7 feet west from Autumn street.

Broadway, 6 feet west from Montgomery avenue.

Broadway, 33 feet west from Walnut street.

Broadway, 4 feet east from Sargent avenue.

Broadway, 3 feet west from Melvin street.

Broadway, 157 feet west from Grant street.

Broadway, 117 feet east from Marshall street.

Broadway, 62 feet west from Marshall street.

Broadway, 3 feet west from School street.

Broadway, corner Thurston street.

Broadway, 209 feet east from Central street.

Broadway, 104 feet west from Norwood avenue.

Broadway, 20 feet west from Farm lane.

Broadway, 288 feet east from Cedar street.

Broadway, opposite Cedar street.

Broadway, 171 feet west from Wilson avenue.

Broadway, 115 feet west from Rogers avenue.

Broadway, 236 feet west from Liberty avenue.  
Broadway, 175 feet west from Elm street.  
Broadway, 6 feet west from Billingham street.  
Broadway, 9 feet west from Packard avenue.  
Broadway, 32 feet east from Westminster street.  
Broadway, 237 feet east from Endicott avenue.  
Broadway, 6 feet west from Endicott avenue.  
Broadway, 9 feet west from Garrison avenue.  
Broadway, 138 feet west from Waterhouse street.  
Broadway, 330 feet west from Waterhouse street.  
Broadway park, near the pond.  
Brook street, 18 feet west from Rush street.  
Browning road, 302 feet west from Sycamore street.  
Browning road, 136 feet east from Central street.  
Buckingham street, 2 feet south from Dimick street.  
Burnside avenue, 259 feet north from Elm street.  
Burnside avenue, 120 feet south from Summer street.  
Cameron avenue, 166 feet south from Holland street.  
Cameron avenue, opposite Mead street.  
Cameron avenue, 26 feet south from Glendale avenue.  
Campbell park, 258 feet west from Meacham street.  
Cedar street, 226 feet south from Sartwell avenue.  
Cedar street, 98 feet north from Sartwell avenue.  
Cedar street, 61 feet north from Hall street.  
Cedar street, 12 feet north from Highland avenue.  
Cedar street, 10 feet north from Albion street.  
Cedar street, 124 feet south from Warwick street.  
Cedar street, 50 feet north from Clyde street.  
Cedar street, 24 feet south from Murdock street.  
Cedar street, 270 feet south from Broadway.  
Central street, 50 feet south from Broadway.  
Central street, 6 feet north from Forster street.  
Central street, 9 feet north from Vernon street.  
Central street, 187 feet south from Vernon street.  
Central street, 6 feet north from Albion street.  
Central street, 1 foot south from Summer street.  
Chandler street, 16 feet south from Broadway.  
Chandler street, 206 feet north from Park avenue.



Charles street, 183 feet south from Washington street.  
Charnwood road, 79 feet west from Gordon road.  
Chauncey avenue, 8 feet north from Jaques street.  
Cherry street, 7 feet south from Sartwell avenue.  
Cherry street, 254 feet north from Sartwell avenue.  
Cherry street, 252 feet north from Summer street.  
Cherry street, 26 feet south from Highland avenue.  
Chester street, 15 feet north from Chester place.  
Chestnut street, 482 feet south from Poplar street.  
Chestnut street, 246 feet south from Poplar street.  
Church street, 9 feet south from Summer street.  
Church street, 300 feet south from Summer street.  
Church street, 29 feet north from Somerville avenue.  
Church street, 16 feet south from Somerville avenue.  
City stables, east end of yard.  
Claremon street, 255 feet south from Holland street.  
Clarendon avenue, 253 feet south from Broadway.  
Clarendon avenue, opposite house No. 66.  
Clark street, 200 feet west from Newton street.  
Clark street, 416 feet west from Newton street.  
Clyde street, 250 feet east from Cedar street.  
Clyde street, opposite Murdock street.  
Columbia street, 3 feet south from Beach avenue.  
Columbia street, 8 feet south from Columbia court.  
College avenue, 700 feet north from Broadway.  
Columbus avenue, 150 feet east from Bonner avenue.  
Columbus avenue, 118 feet west from Bonner avenue.  
Columbus avenue, 35 feet west from Stone avenue.  
Columbus avenue, 8 feet east from Walnut street.  
Concord avenue, 154 feet west from Prospect street.  
Concord avenue, 76 feet east from Concord square.  
Concord avenue, on east line of Knapp school.  
Concord avenue, 313 feet east from Springfield street.  
Concord avenue, 24 feet east from Springfield street.  
Concord avenue, 7 feet east from Marion street.  
Concord avenue 6 feet south from Hammond street.  
Concord avenue, 20 feet east from Wyatt street.  
Conwell avenue, 460 feet west from Curtis street.



Conwell street, 6 feet south from Highland avenue.  
Conwell street, 3 feet north from Francis street.  
Cook street, 74 feet north from Wyatt street.  
Cottage avenue, 206 feet west from Russell street.  
Craigie street, 216 feet south from Summer street.  
Craigie street, 232 feet north from Kimball street.  
Craigie street, 77 feet south from Kimball street.  
Craigie street, 126 feet north from Somerville avenue.  
Crescent street, 80 feet south from Hadley place.  
Crocker street, 4 feet south from Highland avenue.  
Crocker street, north corner Crown street.  
Cross street, north corner Otis street.  
Cross street, 6 feet north from Pearl street.  
Cross street, 32 feet north from Cross Street place.  
Cross street, 62 feet north from Flint street.  
Cross street, 16 feet north from Gilman street.  
Cross street, 13 feet south from Auburn avenue.  
Cross street, 39 feet north from Allston street.  
Curtis street, 6 feet north from Broadway.  
Curtis street, 3 feet south from Electric avenue.  
Curtis street, 137 feet north from Ware street.  
Curtis street, 3 feet south from Raymond avenue.  
Curtis street, 34 feet south from Professors' row.  
Curtis street, 183 feet north from Professors' row.  
Cutter avenue, 11 feet south from Highland avenue.  
Cutter square, 95 feet west from Cutter avenue.  
Cutter street, 444 feet south from Broadway.  
Dane avenue, 162 feet west from Leland street.  
Dane avenue, 169 feet east from Dane street.  
Dane street, 9 feet north from Tyler street.  
Dane street, 260 feet south from Skehan street.  
Dane street, 55 feet north from Skehan street.  
Dartmouth street, 288 feet south from Broadway.  
Dartmouth street, 53 feet south from Evergreen avenue.  
Dartmouth street, 171 feet north from Medford street.  
Day street, 10 feet south from Elm street.  
Day street, 195 feet south from Herbert street.  
Day street, 4 feet north from Orchard street.

Dell street, 255 feet west from Glen street.  
Delaware street, 246 feet east from Aldrich street.  
Derby street, 400 feet east from Temple street.  
Dickinson street, 20 feet east from Beacon street.  
Dover street, 203 feet south from Elm street.  
Dover street, 312 feet north from Orchard street.  
Dover street, 3 feet north from Orchard street.  
Durham street, opposite Skehan street.  
Durham street, 5 feet west from Hanson street.  
Edmands street, 15 feet south from Broadway.  
Ellsworth street, 7 feet west from Rush street.  
Elm street, 59 feet west from Craigie street.  
Elm street, 17 feet west from Porter street.  
Elm street, 28 feet east from Linden avenue.  
Elm street, 11 feet east from Mossland street.  
Elm street, 9 feet west from Cedar street.  
Elm street, 153 feet east from Cherry street.  
Elm street, 110 feet west from Cherry street.  
Elm street, 14 feet east from Burnside avenue.  
Elm street, 104 feet east from Willow avenue.  
Elm street, 20 feet east from St. James avenue.  
Elm street, 9 feet west from Elston street.  
Elm street, 90 feet west from Windom street.  
Elm street, 25 feet west from Russell street.  
Elm street, 11 feet west from Grove street.  
Elm street, 82 feet west from Chester street.  
Elm street, 12 feet north from Winter street.  
Elm street, 6 feet south from Morrison street.  
Elm street, 53 feet west from Francesca avenue.  
Elm street, opposite Kenwood street.  
Elm street, 100 feet west from Broadway.  
Elmwood street, 9 feet south from Holland street.  
Elmwood street, 300 feet north from Harrison street.  
Eliot street, 3 feet east from Park street.  
Endicott avenue, 422 feet south from Broadway.  
Evergreen avenue, 8 feet east from School street.  
Everett avenue, 5 feet west from Cross street.  
Everett avenue, 9 feet east from Dana street.

Everett avenue, 449 feet west from Cross street.  
Everett street, opposite Emerson street.  
Fairlee street, 134 feet west from Cherry street.  
Fairmount avenue, opposite Watson street.  
Farragut avenue, 258 feet south from Broadway.  
Farragut avenue, 537 feet south from Broadway.  
Fenwick street, 40 feet north from Broadway.  
Fiske avenue, 120 feet east from Hinckley street.  
Fitchburg street, 395 feet east from Linwood street.  
Flint street, 18 feet east from Flint avenue.  
Flint street, 59 feet east from Cross street.  
Flint street, 30 feet west from Franklin street.  
Florence street, 206 feet south from Perkins street.  
Florence street, 7 feet south from Pearl street.  
Florence street, 453 feet north from Washington street.  
Forster street, opposite Tennyson street.  
Fosket street, 6 feet west from Bay State avenue.  
Francesca avenue, 305 feet east from Elm street.  
Francesca avenue, 7 feet west from Liberty avenue.  
Franklin street, 14 feet north from Arlington street.  
Franklin street, 76 feet south from Webster street.  
Franklin street, 156 feet south from Pearl street.  
Franklin street, 80 feet south from Oliver street.  
Franklin street, 87 feet south from Palmer avenue.  
Franklin street, 29 feet north from Washington street.  
Fremont street, 82 feet north from Main street.  
Fremont street, 343 feet north from Main street.  
Fremont street, 287 feet north from Meacham street.  
Fremont street, 25 feet north from E. Albion street.  
Frost avenue, 75 feet east from Sherman street.  
Fountain avenue, 280 feet west from Glen street.  
Garden court, 357 feet south from Somerville avenue.  
Garfield avenue, 24 feet south from Mystic avenue.  
Garrison avenue, 235 feet south from Broadway.  
Gibbens street, 202 feet west from Central street.  
Gibbens street, 129 feet west from Benton avenue.  
Gilman square, opposite Marshall street.  
Gilman street, 103 feet east from Walnut street.



Gilman street, 143 feet east from Jasper street.  
Gilman street, 8 feet west from Aldrich street.  
Gilman street, 176 feet east from Aldrich street.  
Gilman street, 295 feet west from Cross street.  
Glen street, 147 feet south from Broadway.  
Glen street, 8 feet north from Brook street.  
Glen street, 6 feet north from Webster street.  
Glen street, 1 foot north from Flint street.  
Glen street, 11 feet north from Fountain avenue.  
Gorham street, 310 feet south from Holland street.  
Gorham street, 67 feet north from Howard street.  
Grand View avenue, 286 feet east from Vinal avenue.  
Grant street, 2 feet north from Derby street.  
Greene street, 295 feet south from Summer street.  
Greenville street, 148 feet north from Boston street.  
Greenville street, 33 feet north from High street.  
Hall avenue, 310 feet east from Elm street.  
Hall avenue, 306 feet west from Liberty avenue.  
Hall avenue, 9 feet west from Liberty avenue.  
Hamlet street, 321 feet south from Highland avenue.  
Hammond street, 30 feet west from Dickinson street.  
Hancock street, 258 feet south from Summer street.  
Hanson street, 12 feet south from Village street.  
Hanson street, 9 feet south from Nevada avenue.  
Hanson street, 6 feet south from Skehan street.  
Harvard street, 13 feet north from Beech street.  
Harvard street, 23 feet north from Harvard place.  
Harrison street, 77 feet east from Kent street.  
Harrison street (Ward 4), 4 feet east from Elmwood street.  
Hawkins street, 50 feet north from Lake street.  
Hawthorne street, 8 feet east from Cutter avenue.  
Hawthorne street, 209 feet east from West street.  
Heath street, 3 feet west from Temple street.  
Heath street, 308 feet west from West street.  
Heath street, 100 feet west from Bond street.  
Heath street, 4 feet east from Fenwick street.  
Heath street, 5 feet east from Moreland street.  
Henderson street, 107 feet north from Wilton street.



Herbert street, 163 feet west from Chester street.  
High street, 289 feet west from Boston street.  
Highland avenue, 28 feet west from Hamlet street.  
Highland avenue, 5 feet east from Walnut street.  
Highland avenue, 262 feet west from Walnut street.  
Highland avenue, 80 feet east from Vinal avenue.  
Highland avenue, 41 feet west from Putnam street.  
Highland avenue, 75 feet west from Prescott street.  
Highland avenue, 114 feet west from School street.  
Highland avenue, 410 feet west from School street.  
Highland avenue, 112 feet west from Trull lane.  
Highland avenue, 171 feet east from Central street.  
Highland avenue, 214 feet east from Spring Hill terrace.  
Highland avenue, 23 feet west from Spring Hill terrace.  
Highland avenue, 20 feet west from Belmont street.  
Highland avenue, 4 feet east from Tower street.  
Highland avenue, 2 feet east from Porter street.  
Highland avenue, 212 feet east from Cedar street.  
Highland avenue, 35 feet east from Fanning avenue.  
Highland avenue, 43 feet west from Lesley avenue.  
Highland avenue, 3 feet west from Willow avenue.  
Highland avenue, 6 feet west from Grove street.  
Highland avenue, 218 feet west from Grove street.  
Highland avenue, 64 feet east from Elm street.  
Hinckley street, 106 feet south from Broadway.  
Holland street, 39 feet west from Dover street.  
Holland street, 8 feet west from B. & M. R. R. crossing.  
Holland street, 5 feet east from Jay street.  
Holland street, 3 feet east from Paulina street.  
Holland street, 94 feet east from Claremon street.  
Homer square, 200 feet west from Bonner avenue.  
Houghton street, 82 feet west from Prospect street.  
Houghton street, 3 feet west from Bolton street.  
Houghton street, 10 feet west from Oak street.  
Hudson street, 12 feet east from Waldo street.  
Hudson street, opposite Benton avenue.  
Hudson street, 294 feet east from Lowell street.  
Hudson street, 362 feet west from Lowell street.

Hudson street, 675 feet west from Lowell street.  
Ibbetson street, 256 feet north from Somerville avenue.  
Ibbetson street, 6 feet south from Kimball street.  
Irving street, 6 feet south from Broadway.  
Irving street, 285 feet south from Broadway.  
Irving street, 542 feet north from Holland street.  
Irving street, 190 feet north from Holland street.  
James street, 100 feet north from Pearl street.  
Jaques street, 8 feet west from Grant street.  
Jaques street, 360 feet east from Temple street.  
Jaques street, 185 feet west from Temple street.  
Jaques street, 410 feet east from Bond street.  
Jasper street, 5 feet south from Virginia street.  
Jay street, 82 feet north from Howard street.  
Jenny Lind avenue, 224 feet south from Broadway.  
Jenny Lind avenue, 16 feet north from Vernon street.  
Jenny Lind avenue, 467 feet north from Vernon street.  
Josephine avenue, 397 feet north from Morrison street.  
Joy street, 34 feet south from Washington street.  
Joy street, 502 feet south from Washington street.  
Joy street, 271 feet north from Poplar street.  
Kensington avenue, 6 feet north from Broadway.  
Kent court, 205 feet west from Kent street.  
Kidder avenue, 346 feet east from Elm street.  
Kingman court, 282 feet south from Washington street.  
Kingston street, 95 feet west from Thorndike street.  
Knowlton street, opposite Morton street.  
Lake street, 220 feet west from Hawkins street.  
Lake street, 4 feet east from Carlton street.  
Laurel street, 50 feet north from Greene street.  
Laurel street, 8 feet north from Park place.  
Lawrence street, 9 feet south from Richardson street.  
Leland street, 14 feet south from Dane avenue.  
Lexington avenue, 3 feet west from Fanning avenue.  
Liberty avenue, 3 feet north from Kidder avenue.  
Lincoln street, 174 feet north from Perkins street.  
Lincoln avenue, 206 feet west from Mt. Vernon street.  
Linden street, 31 feet north from Charlestown street.

Linden street, 237 feet south from Somerville avenue.  
Linden avenue, 118 feet south from Gilson terrace.  
Linden avenue, 255 feet south from Olive avenue.  
Linden avenue, 30 feet north from Olive avenue.  
Line street, 496 feet west from Cooney street.  
Linwood street, 385 feet south from Washington street.  
Linwood street, 48 feet south from Lamson court.  
Linwood street, 52 feet south from London street.  
Linwood street, 2 feet south from Linwood place.  
London street, 383 feet east from Linwood street.  
Loring street, 273 feet north from Somerville avenue.  
Lowell street, 1 foot north from Fiske avenue.  
Lowell street, 183 feet south from Richardson street.  
Lowell street, opposite Vernon street.  
Lowell street, 3 feet south from Princeton street.  
Lowell street, 163 feet south from Highland avenue.  
Lowell street, 53 feet north from Crown street.  
Lowell street, 16 feet north from Kimball street.  
Madison street, 467 feet west from School street.  
Main street, 112 feet west from Mt. Vernon avenue.  
Main street, west corner of Moreland street.  
Mansfield street, 190 feet north from Somerville avenue.  
Mansfield street, 189 feet south from Washington street.  
Maple avenue, 294 feet east from School street.  
Maple street, 7 feet south from Jackson street.  
Maple street, 87 feet north from Poplar street.  
Marshall street, 80 feet south from Stickney avenue.  
Marshall street, 30 feet north from Stickney avenue.  
Marshall street, opposite Howe street.  
Marshall street, 5 feet north from Evergreen avenue.  
Marshall street, 104 feet south from Mortimer place.  
Marshall street, 109 feet north from Oakland avenue.  
Malloy court, 16 feet south from Somerville avenue.  
Meacham street, 4 feet north from Orchard street.  
Meacham street, 97 feet north from Kingston street.  
Meacham street, 200 feet north from Lester terrace.  
Meacham street, 14 feet west from Moreland street.  
Mead street, 48 feet east from Claremon street.



Medford street, 50 feet north from Hennessey court.  
Medford street, 14 feet north from Jenny Lind avenue.  
Medford street, 6 feet north from Central street.  
Medford street, 18 feet south from Sycamore street.  
Medford street, 46 feet south from Thurston street.  
Medford street, north corner School street.  
Medford street, 184 feet north from Marshall street.  
Medford street, 17 feet south from Walnut street.  
Medford street, 291 feet south from Walnut street.  
Medford street, 8 feet south from Greenville street.  
Medford street, 13 feet north from Prospect Hill avenue.  
Medford street, 240 feet south from Prospect Hill avenue.  
Medford street, opposite Chester avenue.  
Medford street, 216 feet south from Washington street.  
Medford street, 69 feet north from Jackson street.  
Medford street, 21 feet north from Somerville avenue.  
Medford street, 382 feet south from Somerville avenue.  
Medford street, 220 feet north from Ward street.  
Medford street, 55 feet north from Ward street.  
Medford street, 91 feet south from Ward street.  
Medford street, 46 feet south from South street.  
Medford street, 17 feet south from Warren street.  
Medford street, 220 feet south from Warren street.  
Melrose street, 610 feet north from Mystic avenue.  
Merriam street, 25 feet north from Charlestown street.  
Miner street, 137 feet north from Vernon street.  
Mondamin court, 272 feet west from Ivaloo street.  
Montrose street, 10 feet east from Sycamore street.  
Montrose street, 399 feet west from School street.  
Moore street, 21 feet north from Mead street.  
Moore street, 22 feet south from Holland street.  
Moore street, 335 feet south from Holland street.  
Moreland street, 345 feet north from Meacham street.  
Moreland street, 2 feet south from East Albion street.  
Morrison street, 13 feet west from Newberne street.  
Morrison street, 183 feet west from Clifton street.  
Morrison street, 33 feet west from Grove street.  
Mossland street, 114 feet north from Somerville avenue.



Munroe street, 203 feet east from Walnut street.  
Murdock street, 204 feet east from Cedar street.  
Murdock street, 610 feet east from Cedar street.  
Mt. Vernon avenue, 156 feet north from Heath street.  
Mt. Vernon avenue, 38 feet south from Heath street.  
Mt. Vernon street, 246 feet north from Washington street.  
Mt. Vernon street, 8 feet north from Pearl street.  
Mt. Vernon street, 7 feet south from Perkins street.  
Mt. Vernon street, 5 feet south from Broadway.  
Mt. Pleasant street, 253 feet south from Broadway.  
Myrtle street, 460 feet north from Washington street.  
Myrtle street, 74 feet south from Pearl street.  
Mystic avenue, 90 feet east from Union street.  
Mystic avenue, 3 feet west from Union street.  
Mystic avenue, 438 feet east from Austin street.  
Mystic avenue, 60 feet west from Temple street.  
Mystic avenue, 800 feet east from Moreland street.  
Mystic avenue, 544 feet east from Moreland street.  
Mystic avenue, 241 feet east from Moreland street.  
Mystic street, 160 feet south from Washington street.  
Nashua street, 190 feet south from Wilton street.  
Newbury street, 15 feet south from Holland street.  
Newbury street, 260 feet south from Holland street.  
Newbury street, 558 feet south from Holland street.  
Newbury street, 777 feet south from Holland street.  
Newbury street, 200 feet north from Cambridge line.  
New Cross street, 114 feet north from Broadway.  
Newton street, 9 feet west from Joseph street.  
Newton street, 9 feet east from Clark street.  
Norfolk street, 27 feet south from Webster avenue.  
Norfolk street, 227 feet south from Webster avenue.  
North street, 18 feet north from Broadway.  
North street, 453 feet north from Raymond avenue.  
North street, 190 feet north from city bound No. 17.  
North Union street, 287 feet north from Mystic avenue.  
Oak street, 8 feet west from Prospect street.  
Oak street, 315 feet north from Houghton street.  
Oakland avenue, 192 feet east from School street.

Oliver street, 191 feet east from Cross street.  
Oliver street, 15 feet east from Glen street.  
Oliver street, 7 feet west from Franklin street.  
Orchard street, 8 feet west from Russell street.  
Orchard street, west corner Milton street.  
Orchard street, 9 feet east from Chester street.  
Otis street, 440 feet west from Cross street.  
Otis street, 9 feet east from Dana street.  
Otis street, 6 feet east from Wigglesworth street.  
Oxford street, 362 feet west from School street.  
Oxford street, 100 feet west from Hersey street.  
Park avenue, 83 feet west from Elm street.  
Park avenue, 10 feet west from Chandler street.  
Park street, 33 feet north from Fitchburg R. R.  
Park street, 146 feet north from Beacon street.  
Partridge avenue, 5 feet south from Broadway.  
Partridge avenue, 26 feet north from Medford street.  
Partridge avenue, 117 feet south from Medford street.  
Partridge avenue, 421 feet south from Medford street.  
Partridge avenue, 276 feet north from Vernon street.  
Paulina street, 184 feet north from Holland street.  
Paulina street, 288 feet south from Broadway.  
Paulina street, 5 feet south from Broadway.  
Pearl street, 50 feet west from Crescent street.  
Pearl street, 7 feet north from Pinckney street.  
Pearl street, 60 feet west from Hillside avenue.  
Pearl street, 15 feet east from Delaware street.  
Pearl street, 9 feet west from Glen street.  
Pearl street, 30 feet west from Dana street.  
Pearl street, 1 foot west from Wigglesworth street.  
Pearl street, 6 feet west from Walnut street.  
Pearl street, 110 feet east from Marshall street.  
Perkins street, opposite Myrtle street.  
Perkins street, 78 feet east from Florence street.  
Perkins street, 24 feet east from Pinckney street.  
Perkins street, 56 feet east from Perkins place.  
Perkins street, 21 feet east from Mt. Pleasant street.  
Pinckney street, 11 feet north from Washington street.

Pinckney street, 330 feet south from Pearl street.  
Pinckney street, 203 feet north from Pearl street.  
Pinckney street, 71 feet south from Pearl street.  
Pleasant avenue, 256 feet west from Walnut street.  
Prescott street, 330 feet south from Highland avenue.  
Prescott street, 586 feet south from Highland avenue.  
Prescott street, 257 feet north from Summer street.  
Preston street, 350 feet west from School street.  
Poplar street, 21 feet west from Joy street.  
Porter street, 1 foot north from Mountain avenue.  
Porter street, 282 feet south from Summer street.  
Porter street, 24 feet north from Williams court.  
Porter street, 8 feet north from Parker place.  
Professors' row, 277 feet east from College avenue.  
Professors' row, 126 feet west from College avenue.  
Professors' row, 291 feet west from College avenue.  
Professors' row, 548 feet east from Packard avenue.  
Professors' row, 156 feet east from Packard avenue.  
Professors' row, 286 feet west from Packard avenue.  
Prospect Hill avenue, 10 feet north from High street.  
Prospect street, 135 feet north from Bennett street.  
Prospect street, 35 feet south from Concord avenue.  
Prospect street, 185 feet south from Oak street.  
Prospect street, 403 feet south from Oak street.  
Prospect street, 63 feet north from Houghton street.  
Putnam street, 116 feet south from Highland avenue.  
Putnam street, 420 feet south from Highland avenue.  
Putnam street, 612 feet north from Summer street.  
Putnam street, 308 feet north from Summer street.  
Quincy street, 340 feet south from Summer street.  
Richardson street, 11 feet west from Nashua street.  
Richdale avenue, opposite Thurston street.  
Robinson street, 325 feet west from Central street.  
Rogers avenue, 255 feet north from Morrison avenue.  
Rossmore street, 244 feet south from Washington street.  
Rush street, 84 feet south from Pearl street.  
Rush street, 11 feet north from Pearl street.  
Rush street, 128 feet north from Brook street.



Sacramento street, 5 feet south from Miller street.  
Sanborn avenue, 55 feet east from Walnut street.  
Sargent avenue, 474 feet south from Broadway.  
Sargent avenue, 361 feet west from Walnut street.  
Sargent avenue, 95 feet west from Walnut street.  
School street, 100 feet south from Maple avenue.  
School street, 6 feet south from Montrose street.  
School street, 128 feet north from Highland avenue.  
School street, 88 feet north from Oxford street.  
School street, 15 feet north from Avon street.  
School street, 100 feet south from Summer street.  
School street, 93 feet south from Preston street.  
School street, 61 feet north from Knapp street.  
Sewall street, 311 feet west from Grant street.  
Shawmut street, 9 feet west from Washington street.  
Shawmut street, 153 feet west from Shawmut place.  
Simpson avenue, 272 feet south from Broadway.  
Skehan street, 110 feet east from Hanson street.  
Somerville avenue, 188 feet west from Mossland street.  
Somerville avenue, 308 feet east from Mossland street.  
Somerville avenue, 600 feet east from Mossland street.  
Somerville avenue, 116 feet west from Elm street.  
Somerville avenue, 9 feet east from Ibbetson street.  
Somerville avenue, 77 feet east from Belmont street.  
Somerville avenue, 14 feet west from Garden court.  
Somerville avenue, 133 feet west from Kent street.  
Somerville avenue, 13 feet west from Beech street.  
Somerville avenue, 11 feet east from Central street.  
Somerville avenue, 15 feet west from Laurel street.  
Somerville avenue, 86 feet west from Granite street.  
Somerville avenue, 38 feet west from Sherman street.  
Somerville avenue, 185 feet west from Hawkins street.  
Somerville avenue, 88 feet west from Quincy street.  
Somerville avenue, 105 feet east from Carlton street.  
Somerville avenue, 90 feet west from Prospect street.  
Somerville avenue, 28 feet west from Linden street.  
Somerville avenue, 9 feet east from Mystic street.  
Somerville avenue, 94 feet west from Mansfield street.



Somerville avenue, 126 feet east from Medford street.  
Somerville avenue, 88 feet east from Poplar street.  
Somerville avenue, 464 feet east from Poplar street.  
Somerville avenue, 153 feet west from Linwood street.  
Somerville avenue, 20 feet east from F. R. R. crossing.  
Somerville avenue, 262 feet west from Franklin court.  
Somerville avenue, 23 feet east from Franklin court.  
Somerville avenue, 100 feet west from Cambridge line.  
South street, 97 feet west from Bedford street.  
South street, 2 feet east from Harding street.  
South street, 25 feet west from Hunting street.  
South street, 80 feet west from Willow place.  
Spring street, 10 feet south from Pitman street.  
Spring street, 184 feet north from Beech street.  
Springfield street, 140 feet south from Concord avenue.  
Springfield street, 21 feet south from Dickinson street.  
Springfield street, 177 feet south from Houghton street.  
Spring Hill terrace, 333 feet south from Highland avenue.  
Stickney avenue, 212 feet west from Marshall street.  
Stone avenue, 120 feet north from Union square.  
Stone avenue, 275 feet south from Columbus avenue.  
Summer street, 148 feet east from Cutter avenue.  
Summer street, opposite Elston street.  
Summer street, west corner Gordonia road.  
Summer street, 34 feet east from Banks street.  
Summer street, 6 feet east from Cherry street.  
Summer street, 6 feet east from Cedar street.  
Summer street, 24 feet east from Linden avenue.  
Summer street, opposite Craigie street.  
Summer street, 35 feet east from Porter street.  
Summer street, 4 feet east from Lowell street.  
Summer street, 3 feet east from Belmont street.  
Summer street, 1 foot west from Spring street.  
Summer street, 53 feet west from Harvard street.  
Summer street, 215 feet east from Harvard street.  
Summer street, 59 feet east from Central street.  
Summer street, 19 feet west from Laurel street.  
Summer street, 52 feet west from Preston street.

Summer street, 191 feet west from School street.  
Summer street, 8 feet east from School street.  
Summer street, opposite Putnam street.  
Summer street, 6 feet west from Vinal avenue.  
Summit avenue, 231 feet east from Vinal avenue.  
Sunnyside avenue, 99 feet west from Wigglesworth street.  
Sycamore street, 18 feet south from Broadway.  
Sycamore street, 62 feet south from Browning road.  
Sycamore street, 1 foot south from Forster street.  
Sycamore street, 200 feet north from Medford street.  
Sycamore street, 174 feet south from Medford street.  
Sydney street, 418 feet east from Temple street.  
Talbot avenue, 488 feet east from Packard avenue.  
Temple street, 4 feet north from Broadway.  
Temple street, 123 feet south from Sewall street.  
Temple street, 11 feet north from Jaques street.  
Temple street, 6 feet south from Derby street.  
Temple street, 5 feet south from Sydney street.  
Tenney court, 306 feet north from Mystic avenue.  
Tennyson street, 4 feet south from Medford street.  
Tennyson street, 117 feet north from Pembroke street.  
Thorndike street, 4 feet south from Holland street.  
Thorndike street, 82 feet north from Kingston street.  
Thorpe place, 269 feet south from Highland avenue.  
Thurston street, 187 feet north from Medford street.  
Thurston street, 160 feet south from Evergreen avenue.  
Thurston street, 6 feet north from Evergreen avenue.  
Thurston street, 348 feet north from Evergreen avenue.  
Tower street, 18 feet north from Crown street.  
Tremont street, 9 feet south from Webster avenue.  
Tremont street, 454 feet south from Webster avenue.  
Trull street, 3 feet south from Medford street.  
Trull street, 276 feet south from Medford street.  
Trull street, 522 feet north from Vernon street.  
Trull street, 270 feet north from Vernon street.  
Tufts street, 51 feet north from Washington street.  
Tufts street, 150 feet south from Glen street.  
Tufts street, 43 feet north from Glen street.

Tufts street, 53 feet south from Dell street.  
Tufts street, 45 feet south from Cross street.  
Tyler street, 31 feet east from Vine street.  
Union square, 267 feet east from Webster avenue.  
Union square, 15 feet east from Stone avenue.  
Union square, in the square, opposite Hill building.  
Union square, centre of square.  
Union street, 3 feet north from Broadway.  
Union street, 123 feet south from Mystic avenue.  
Veazie street, 1 foot west from James street.  
Vernon street, 72 feet west from Partridge avenue.  
Vernon street, 1 foot east from Bartlett street.  
Vernon street, 2 feet east from Miner street.  
Victoria street, 255 feet south from Broadway.  
Vinal avenue, 10 feet north from Pleasant avenue.  
Vinal avenue, 129 feet north from Aldersey street.  
Vinal avenue, 206 feet north from Summer street.  
Vinal avenue, 6 feet south from Highland avenue.  
Vine street, 15 feet north from Beacon street.  
Vine street, opposite Eliot street.  
Virginia street, 45 feet west from Aldrich street.  
Waldo street, 6 feet north from Highland avenue.  
Wallace street, 37 feet south from Broadway.  
Wallace street, 395 feet south from Broadway.  
Wallace street, 483 feet north from Park avenue.  
Wallace street, 166 feet north from Park avenue.  
Wallace street, 10 feet north from Holland street.  
Walnut street, opposite Veazie street.  
Walnut street, 87 feet north from Gilman street.  
Walnut street, 88 feet south from Wellington avenue.  
Walnut street, 31 feet north from Pleasant avenue.  
Walnut street, 12 feet south from Boston street.  
Walter street, 28 feet west from Walnut street.  
Walter street, 50 feet west from Bradley street.  
Ward street, 104 feet west from Medford street.  
Ward street, 3 feet east from Emery street.  
Ware street, 258 feet west from Curtis street.  
Warren avenue, 5 feet north from Sanborn avenue.



Warren avenue, 48 feet north from Bow street.  
Warren avenue, 7 feet south from Columbus avenue.  
Warwick street, 426 feet east from Cedar street.  
Washington street, 69 feet west from Crescent street.  
Washington street, west corner Mt. Vernon street.  
Washington street, 6 feet west from Florence street.  
Washington street, 15 feet west from Myrtle street.  
Washington street, 18 feet east from Franklin avenue.  
Washington street, 160 feet east from Franklin street.  
Washington street, 50 feet east from Shawmut street.  
Washington street, 37 feet east from Rossmore street.  
Washington street, 78 feet east from Boston street.  
Washington street, 28 feet west from Mystic street.  
Washington street, 6 feet west from Clark place.  
Washington street, 156 feet west from Bonner avenue.  
Washington street, 6 feet east from Kingman court.  
Washington street, 243 feet east from Parker street.  
Washington street, 50 feet east from Bowdoin street.  
Washington street, 9 feet east from Leland street.  
Washington street, 175 feet west from Dane street.  
Washington street, 45 feet east from Beacon street.  
Water street, 91 feet north from South street.  
Water street, 254 feet north from South street.  
Water street, 354 feet north from South street.  
Waterhouse street, 24 feet south from Broadway.  
Waterhouse street, 326 feet south from Broadway.  
Waterhouse street, 630 feet south from Broadway.  
Webster avenue, 93 feet south from Washington street.  
Webster avenue, 12 feet south from Everett street.  
Webster avenue, 25 feet north from Newton street.  
Webster avenue, 63 feet north from Prospect street.  
Webster avenue, 18 feet south from Prospect street.  
Webster avenue, 78 feet north from Tremont street.  
Webster avenue, 3 feet north from Beach avenue.  
Webster avenue, 1 foot south from Columbia court.  
Webster street, 25 feet east from Cross street.  
Webster street, 9 feet east from Rush street.  
Webster street, 10 feet west from Cutter street.  
Wellington avenue, 15 feet west from Montgomery avenue.



Wesley park, 245 feet north from Bow street.  
 West street, 2 feet north from Broadway.  
 West street (Ward 4), 3 feet north from Highland avenue.  
 West street (Ward 4), 140 feet north from Highland avenue.  
 Westminster street, 156 feet south from Electric avenue.  
 Westwood road, 90 feet west from Central street.  
 Westwood road, 58 feet east from Benton road.  
 Wheatland street, 129 feet north from Broadway.  
 Wheatland street, 9 feet south from Jaques street.  
 Wheatland street, 78 feet south from Mystic avenue.  
 Willow avenue, 14 feet north from Summer street.  
 Willow avenue, 3 feet north from Lexington avenue.  
 Willow avenue, 46 feet south from Morrison street.  
 Willow avenue, 42 feet south from Fosket street.  
 Wilton street, 6 feet east from Nashua street.  
 Wilton street, 10 feet east from Lawrence street.  
 Windom street, 7 feet south from Summer street.  
 Windsor road, 86 feet east from Willow avenue.  
 Winslow avenue, 145 feet east from Elm street.  
 Winslow avenue, 5 feet west from Grove street.  
 Winter street, 130 feet east from Holland street.  
 Winter Hill circle, 178 feet north from Broadway.  
 Winthrop avenue, 7 feet north from Broadway.  
 Woodbine street, 222 feet west from Centre street.  
 Wyatt street, 42 feet west from Cook street.  
 Wyatt street, 324 feet east from Washington street.

## PRIVATE HYDRANTS.

|                                       |    |
|---------------------------------------|----|
| John P. Squire & Co.                  | 7  |
| North Packing and Provision Co.       | 11 |
| Middlesex Bleachery                   | 3  |
| American Tube Works                   | 2  |
| Union Glass Works                     | 1  |
| Fitchburg Railroad                    | 1  |
| New England Dressed Meat and Wool Co. | 6  |
| Metropolitan Sewerage Pumping Station | 1  |
| Boston & Maine Railroad               | 8  |
| Fresh Pond Ice Co.                    | 1  |

## GATES — CONSTRUCTION ACCOUNT.

New gates have been set in the following locations : —

- Ashland street, 6-inch gate, 10 feet out from east line, on north line of Sartwell avenue.
- Bedford street, 4-inch gate, 10 feet out from east line, on south line of house No. 3.
- Bowers avenue, 6-inch gate, 8 feet out from west line, on north line of Cottage avenue.
- Broadway, 12-inch gate, 36 feet out from south line and 25 feet east from west line of Temple street.
- Broadway, 12-inch gate, 36 feet out from south line and 14 feet east from west line of Temple street.
- Broadway, 12-inch check valve, 36 feet out from south line and 21 feet east from west line of Temple street.
- Broadway, 2-inch gate, 3 feet out from water-post between Willow avenue and Rogers avenue.
- Broadway park, 4-inch gate, 7 feet out from park fence line and 12 feet south from north line of house No. 56 Chauncey avenue.
- Chester avenue, 6-inch gate, 13 feet 4 inches out from south line, on west line of Cross street.
- Columbia street, 4-inch gate, 11 feet out from west line and 4 feet north from Cambridge line.
- Conwell street, 6-inch gate, 11 feet 8 inches out from east line, on south line of Highland avenue.
- Crescent street, 6-inch gate, 10 feet south from fence line and 12 feet south from south line of house No. 10.
- Cross street, 6-inch gate, 25 feet out from south line of Medford street, on west line of Cross street.
- Cross street, 12-inch gate, 25 feet out from south line of Medford street and 5 feet east from east line of Prospect Hill avenue.
- Cross street, 6-inch gate, 17 feet out from east line and 15 feet north from south line of Chester avenue.
- Curtis street, 12-inch gate, 13 feet 4 inches out from east line, on south line of Professors' row.
- Curtis street, 6-inch gate, 13 feet 4 inches out from east line and 26 feet 8 inches north from north line of Professors' row.

- Dane avenue, 8-inch gate, 10 feet out from south line, on west line of Leland street.
- Dane avenue, 6-inch gate, 13 feet out from south line and 6 feet west from east line of house No. 21.
- Durham street, 6-inch gate, 13 feet 4 inches out from north line, on west line of Hanson street.
- Electric avenue, 6-inch gate, 13 feet 4 inches out from north line, on east line of Curtis street.
- Fairlee street, 6-inch gate, 10 feet out from north line, on west line of Cherry street.
- Fairview terrace, 2-inch gate, 6 feet out from south line, on east line of Sycamore street.
- Florence terrace, 2-inch gate, 5 feet out from west line, on south line of Jaques street.
- Garrison avenue, 6-inch gate, 13 feet 4 inches out from west line, on south line of Broadway.
- George street, 6-inch gate, 10 feet out from east line, on north line of Lincoln avenue.
- Gordonia road, 6-inch gate, 13 feet 4 inches out from east line, on south line of Highland avenue.
- Greenwood terrace, 2-inch gate, 8 feet 6 inches out from east line, on north line of Beacon street.
- Hanson street, 6-inch gate, 11 feet 8 inches out from east line, on south line of Vine street.
- Harding street, 4-inch gate, 15 feet out from east line, on Cambridge line.
- Hathorn street, 6-inch gate, 13 feet out from east line, on north line of Arlington street.
- Highland avenue, 6-inch gate, 4 feet out from hydrant located 214 feet east from Spring Hill terrace.
- Holland street, 6-inch gate, 27 feet out from south line and 10 feet east from west line of Paulina street.
- Holland street, 12-inch check valve, 19 feet out from south line and 27 feet east from west line of Gorham street.
- Hunting street, 4-inch gate, 12 feet out from east line and 4 feet north from Cambridge line.
- Jaques street, 6-inch gate, 13 feet out from north line, on east line of Grant street.



- Jasper street, 6-inch gate, 13 feet 4 inches out from west line, on south line of Pearl street.
- Kidder avenue, 6-inch gate, 13 feet 4 inches out from north line, on west line of Liberty avenue.
- Leland street, 8-inch gate, 13 feet 4 inches out from west line, on north line of Washington street.
- Linden circle, 2-inch gate, 8 feet out from north line, on east line of Linden avenue.
- Medford street, 6-inch gate, 19 feet out from west line and 34 feet south from B. & A. R. R. crossing.
- Mt. Vernon avenue, 8-inch gate, 15 feet 6 inches out from east line and 15 feet 6 inches north from south line of Heath street.
- Murray street, 2-inch gate, 10 feet out from west line and 8 feet south from south line of house No. 15.
- Norfolk street, 4-inch gate, 12 feet out from south line and 3 feet east from Cambridge line.
- North street, 12-inch gate, 13 feet 4 inches out from east line, on north line of Broadway.
- Oak street, 4-inch gate, 10 feet out from south line, on east line of house No. 77.
- Packard avenue, 12-inch gate, 17 feet out from east line and 52 feet north from south line of Professors' row.
- Pearl street, 12-inch gate, 16 feet out from north line and 1 foot west from west line of Marshall street.
- Pearl street, 8-inch gate, 16 feet out from north line and 15 feet east from west line of Marshall street.
- School street, 2-inch gate, 3 feet out from water-post opposite Cummings school.
- Shawmut place, 6-inch gate, 10 feet out from north line and 20 feet east from west line of Allston street.
- Temple street, 6-inch gate, 21 feet out from west line and 16 feet north from north line of Heath street.
- Temple street, 8-inch gate, 21 feet out from west line, on north line of Broadway.
- Temple street, 12-inch gate, 22 feet east from west line and 50 feet out from north line of Broadway.
- Temple street, 12-inch gate, 22 feet out from west line and 15 feet north from south line of Jaques street.



- Tremont street, 4-inch gate, 12 feet out from south line and 2 feet east from Cambridge line.
- Vine street, 6-inch gate, 8 feet out from hydrant and 15 feet east from east line of Beacon street.
- Virginia street, 6-inch gate, 13 feet 4 inches out from north line, on east line of Jasper street.
- Waldo street, 6-inch gate, 13 feet 4 inches out from west line, on north line of Highland avenue.
- Waldo street, 6-inch gate, 13 feet 4 inches out from west line and 19 feet south from north line of Highland avenue.
- Watson street, 6-inch gate, 13 feet 4 inches out from west line, on south line of Fairmount avenue.
- Watson street, 6-inch gate, 13 feet 4 inches out from west line, on north line of Broadway.
- Webster avenue, 6-inch gate, 19 feet out from east line and 5 feet north from south line of house No. 98.
- Willow place, 4-inch gate, 7 feet 6 inches out from east line and 4 feet north from Cambridge line.
- Wilson avenue, 4-inch gate, 6 feet out from west line, on south line of house No. 20.
- Windsor road, 6-inch gate, 13 feet 4 inches out from north line, on east line of Willow avenue.
- Windsor road, 6-inch gate, 13 feet 4 inches out from north line, on west line of Gordonia road.
- Winthrop avenue, 6-inch gate, 16 feet 4 inches out from east line, on north line of Broadway.

#### GATES—RENEWAL ACCOUNT.

The following changes have been made in the size and location of main gates:—

- Allston street, 6-inch gate, set 13 feet 4 inches out from south line, on east line of Cross street, and 4-inch gate removed from same location.
- Arlington street, 6-inch gate, set 13 feet 4 inches out from north line, on west line of Lincoln street, and 4-inch gate removed from same location.
- Arlington street, 6-inch gate, set 13 feet 4 inches out from north line, on east line of Franklin street, and 4-inch gate removed from same location.

Belmont street, 8-inch gate, set 13 feet out from west line, on south line of Belmont place, and 4-inch gate removed from 15 feet out from west line, on south line of Belmont place.

Broadway, 12-inch gate, set 14 feet out from south line and 16 feet west from west line of Victoria street, and 8-inch gate removed from 20 feet out from south line and 134 feet east from east line of Endicott avenue.

Broadway, 12-inch gate, set 21 feet out from south line on east line of Newbury street, and 10-inch gate removed from Park in Teele square.

Broadway, 12-inch gate, set 14 feet out from south line, on west line of Endicott avenue, and 10-inch gate removed from 21 feet out from south line, on west line of Packard avenue.

Broadway, 12-inch gate, set 30 feet out from south line and 4 feet west from west line of Dexter street, and 8-inch gate removed from 40 feet out from south line, opposite Dexter street.

Broadway place, 4-inch gate, set 8 feet 4 inches out from east line, and 194 feet south from south line of Broadway, and 3-inch gate removed from 12 feet out from east line and 192 feet south from south line of Broadway.

Cameron avenue, 10-inch gate, set 20 feet 6 inches out from east line, on south line of Holland street, and 6-inch gate removed from same location.

Chester avenue, 6-inch gate, set 8 feet 4 inches out from north line, on north line of Medford street, and 4-inch gate removed from same location.

Clarendon avenue, 8-inch gate, set 13 feet out from west line, on south line of Broadway, and 6-inch gate removed from same location.

Curtis street, 12-inch gate, set 13 feet 4 inches out from east line and 48 feet north from north line of house No. 54, and 6-inch gate removed from 13 feet 4 inches out from east line, opposite Raymond avenue.

Curtis street, 12-inch gate, set 13 feet 4 inches out from east line, on north line of Broadway, and 6-inch gate removed from same location.

- Elmwood street, 8-inch gate, set 13 feet 4 inches out from west line, on south line of Holland street, and 4-inch gate removed from same location.
- Farm lane, 8-inch gate, set 11 feet out from east line, on south line of Broadway, and 6-inch gate removed from 11 feet out from east line and 20 feet north from south line of Broadway.
- Florence street, 6-inch gate, set 15 feet 6 inches out from west line, on north line of Pearl street, and 4-inch gate removed from same location.
- Hanson street, 6-inch gate, set 11 feet 8 inches out from east line, on north line of Skehan street, and 4-inch gate removed from same location.
- Hinckley street, 8-inch gate, set 9 feet 6 inches out from west line, on south line of Broadway, and 6-inch gate removed from same location.
- Holland street, 12-inch gate, set 18 feet 6 inches out from south line, on east line of Newbury street, and 10-inch gate removed from 20 feet out from south line, on west line of Newbury street.
- Holland street, 12-inch gate, set 19 feet out from south line and 21 feet east from west line of Gorham street, and 10-inch gate removed from 20 feet out from south line, on east line of Cameron avenue.
- Holland street, 12-inch gate, set 19 feet out from south line and 32 feet 6 inches east from west line of Gorham street, and 10-inch gate removed from 20 feet out from south line, on west line of Thorndike street.
- Holland street, 12-inch gate, set 19 feet out from north line, on east line of Irving street, and 10-inch gate removed from 20 feet out from south line, on east line of Thorndike street.
- Jaques street, 6-inch gate, set 13 feet 4 inches out from north line, on east line of Temple street, and 4-inch gate removed from same location.
- Lincoln avenue, 6-inch gate, set 10 feet out from south line, on west line of Mt. Vernon street, and 4-inch gate removed from 12 feet out from north line, on west line of Mt. Vernon street.

Mt. Vernon street, 10-inch gate, set 15 feet out from east line, on south line of Perkins street, and 6-inch gate removed from same location.

Mt. Vernon street, 10-inch gate, set 13 feet 4 inches out from west line, on south line of Pearl street, and 6-inch gate removed from same location.

Myrtle street, 8-inch gate, set 14 feet out from east line, on north line of Pearl street, and 6-inch gate removed from 17 feet out from east line, on north line of Pearl street.

Newbury street, 8-inch gate, set 13 feet out from east line, on south line of Holland street, and 6-inch gate removed from same location.

Pearl street, 12-inch gate, set 16 feet 8 inches out from north line, on west line of Mt. Vernon street, and 8-inch gate removed from same location.

Pearl street, 6-inch gate, set 13 feet 4 inches out from north line of New Pearl street, on east line of Mt. Vernon street, and 4-inch gate removed from same location.

Shawmut street, 8-inch gate, set 13 feet 4 inches out from north line, on east line of Cross street, and 4-inch gate removed from 12 feet out from north line, on east line of Cross street.

Shawmut street, 8-inch gate, set 13 feet 4 inches out from north line, on west line of Washington street, and 8-inch gate removed from 15 feet out from south line, on west line of Washington street.

Shawmut place, 6-inch gate, set 9 feet 9 inches out from west line, on north line of Shawmut street, and 4-inch gate removed from same location.

Temple street, 12-inch gate, set 22 feet out from west line, on north line of Broadway, and 8-inch gate removed from same location.

Vine street, 8-inch gate, set 8 feet 4 inches out from east line, on north line of Beacon street, and 6-inch gate removed from 14 feet out from east line, on north line of Beacon street.

Vine street, 8-inch gate, set 8 feet 4 inches out from east line and 12 feet south from west line of Hanson street, and



6-inch gate removed from 9 feet out from east line, on west line of Hanson street.

Broadway, 8-inch gate, removed from 34 feet out from south line, on east line of Marshall street.

Broadway, 8-inch gate, removed from 40 feet out from south line, on west line of Medford street.

Cost of maintenance of main gates and boxes, for labor, materials and teaming . . . . . \$239.59

#### RECAPITULATION.

| GATES             | 2" | 3" | 4" | 6" | 8" | 10" | 12" | Total |
|-------------------|----|----|----|----|----|-----|-----|-------|
| Set . . . . .     | 7  |    | 11 | 45 | 16 | 3   | 23  | 105   |
| Removed . . . . . |    | 1  | 13 | 12 | 7  | 6   |     | 39    |

Net increase in number of gates in 1898 . . . . . 66

Total number of gates in the city January 1, 1899 . . . 1,035

#### WATER-POSTS.

Two new water-posts for the use of the street-watering department were set in 1898, in the following locations : —

Broadway, near Willow avenue.

School street, opposite Cummings school.

One water-post was set on Wheatland street, near the corner of Mystic avenue, for the use of the Metropolitan Park Commission, and at their expense.

The total number now in the city is fifty-seven. One water-post was moved from Main street, near Broadway, to Bond street, near Broadway; one from Summer street, opposite Laurel street, to Laurel street, near Summer street; one from Highland avenue, at corner of Willow avenue, to Grove street, near Highland avenue; one from Highland avenue, opposite No. 241, to Highland avenue, opposite Crocker street; and one was moved from Broadway, corner of Melvin street, to Broadway Park, near Winthrop avenue. All have been painted, and are in good repair.

## LOCATIONS OF WATER-POSTS.

Albion street, near Lowell street.  
Appleton street, near Willow avenue.  
Beacon street, opposite Cooney street.  
Beacon street, near Vine street.  
Beacon street, near Sacramento street.  
Bond street, near Broadway.  
Boston street, near Greenville street.  
Broadway, near corner of Franklin street.  
Broadway, near Winthrop avenue.  
Broadway, opposite city farm.  
Broadway, near Willow avenue.  
Broadway, near Irving street.  
Broadway, corner of Clarendon avenue.  
Broadway, opposite North street.  
Columbus avenue, near Stone avenue.  
Concord avenue, corner of Marion street.  
Elm street, near Burnside avenue.  
Elm street, near Morrison street.  
Elm street, opposite Kenwood street.  
Flint street, near Cross street.  
Gilman street, near Walnut street.  
Grove street, near Highland avenue.  
Highland avenue, corner of Medford street.  
Highland avenue, corner of Central street.  
Highland avenue, opposite Crocker street.  
Holland street, near Elmwood street.  
Jaques street, near Glines school.  
Laurel street, near Summer street.  
Linwood street, near Poplar street.  
Medford street, corner of Lee street.  
Medford street, near Jenny Lind avenue.  
Montrose street, near School street.  
Mystic avenue, corner of Union street.  
Orchard street, near Meacham street.  
Otis street, near Cross street.  
Pearl street, near Delaware street.  
Pearl street, near Myrtle street.

Putnam street, corner of Summer street.  
 School street, near Broadway.  
 School street, opposite Cummings School.  
 Somerville avenue, near East Cambridge line.  
 Somerville avenue, near Poplar street.  
 Somerville avenue, corner of Mystic street.  
 Somerville avenue, near School street.  
 Somerville avenue, corner of Beacon street.  
 Spring street, near Somerville avenue.  
 Summer street, near Belmont street.  
 Summer street, corner of Cedar street.  
 Summer street, corner of Elm street.  
 Tufts street, corner of Cross street.  
 Vinal avenue, near Highland avenue.  
 Washington street, corner of Myrtle street.  
 Washington street, corner of Boston street.  
 Washington street, near Union square.  
 Washington street, opposite Leland street.  
 Wheatland street, near Mystic avenue.  
 Webster avenue, near glass house.

The following items of expense appear for the construction and maintenance of water-posts :—

Cost of setting two new water-posts, complete :—

|                             |         |         |
|-----------------------------|---------|---------|
| Materials . . . . .         | \$47.79 |         |
| Labor and teaming . . . . . | 25.12   |         |
|                             | <hr/>   | \$72.91 |

Maintenance of posts and turning off and on water :—

|                             |          |        |
|-----------------------------|----------|--------|
| Materials . . . . .         | \$139.21 |        |
| Labor and teaming . . . . . | 219.47   |        |
|                             | <hr/>    | 358.68 |

|                      |       |          |
|----------------------|-------|----------|
| Total cost . . . . . | <hr/> | \$431.59 |
|----------------------|-------|----------|

## METER TABLE.

SHOWING THE NUMBER OF METERS SET, THE PURPOSE FOR WHICH  
THEY ARE USED, AND THE INCOME RECEIVED.

| PURPOSE.   | Number. | Meters<br>Set. | Meters<br>Removed. | Amount<br>Received. |
|--|---------|----------------|--------------------|---------------------|
| Apartment Houses . . . . .                               | 5       | 6              |                    | \$ 527.12           |
| Bacon Works . . . . .                                    | 1       | 1              |                    | 96.69               |
| Bakeries . . . . .                                       | 1       | 1              | 1                  | 38.64               |
| Bleachery and Dye Works . . . . .                        | 1       | 1              |                    | 318.96              |
| Car Houses . . . . .                                     | 4       | 6              |                    | 518.73              |
| Churches . . . . .                                       | 1       | 1              |                    | 23.10               |
| Coal Wharves . . . . .                                   | 2       | 2              |                    | 341.19              |
| Distilleries . . . . .                                   | 1       | 1              |                    | 200.51              |
| Electric Light Stations . . . . .                        | 1       | 1              |                    | 1,515.84            |
| Elevator Clocks . . . . .                                | 1       | 1              |                    | 392.28              |
| Factories . . . . .                                      | 16      | 18             |                    | 2,430.19            |
| Fire Stations . . . . .                                  | 1       | 1              |                    | 116.20              |
| Foundries . . . . .                                      | 1       | 1              |                    | 86.80               |
| Glass Works . . . . .                                    | 2       | 2              |                    | 85.54               |
| Grain Elevators . . . . .                                | 1       | 1              |                    | 37.31               |
| Hospitals . . . . .                                      | 1       | 1              |                    | 145.88              |
| Hotels . . . . .   | 3       | 3              |                    | 280.94              |
| Machine Shops . . . . .                                  | 1       | 1              |                    | 16.80               |
| Motor Clocks . . . . .                                   | 6       | 6              |                    | 46.48               |
| Offices and Stores . . . . .                             | 16      | 16             |                    | 691.92              |
| Photograph Studios . . . . .                             | 1       | 1              |                    | 21.84               |
| Pickle and Preserving Works . . . . .                    | 2       | 3              |                    | 327.74              |
| Poultry Farms . . . . .                                  | 1       | 1              |                    | 29.54               |
| Printing Offices . . . . .                               | 1       | 1              |                    | 73.49               |
| Public Buildings . . . . .                               | 2       | 2              |                    | 79.24               |
| Pumping Stations . . . . .                               | 1       | 1              |                    | 225.50              |
| Railway Stations . . . . .                               | 3       | 3              |                    | 188.91              |
| Railway Yards . . . . .                                  | 2       | 2              |                    | 13,154.56           |
| Schoolhouses . . . . .                                   | 19      | 18             |                    | 1,232.10            |
| Slaughtering and Rendering Establish-<br>ments . . . . . | 5       | 16             |                    | 15,788.50           |
| Soap Works . . . . .                                     | 2       | 2              |                    | 207.08              |
| Stables . . . . .  | 24      | 24             | 1                  | 1,358.61            |
| Steam Engines . . . . .                                  | 4       | 4              | 3                  | 193.80              |
| Stock Yards . . . . .                                    | 2       | 2              |                    | 142.82              |
| Vinegar Works . . . . .                                  | 2       | 4              |                    | 132.76              |
|  |         | 155            | 5                  | \$41,067.61         |

Expenditure for labor, teaming and materials used in  
meter construction . . . . . \$8,015.49

Expense of maintenance and repairs of meters and  
changes in meter connections, for labor and mate-  
rials, has been . . . . . 161.23



## MAINTENANCE OF STREET MAINS.

The following bursts and leaks on street mains occurred in 1898:—

## BURSTS.

|               | SIZE OF MAIN. | NUMBER. |
|---------------|---------------|---------|
|               | 3"            | 1       |
|               | 4"            | 8       |
|               | 6"            | 2       |
|               | 8"            | 2       |
| Total . . . . |               | 13      |

## LEAKS.

|               | SIZE OF MAIN. | NUMBER. |
|---------------|---------------|---------|
|               | 4"            | 2       |
|               | 6"            | 3       |
|               | 12"           | 1       |
|               | 16"           | 1       |
| Total . . . . |               | 7       |

Expenditures in 1898, on account of defective street mains, were:—

|                             |          |
|-----------------------------|----------|
| Pipe and fittings . . . . . | \$101.15 |
| Labor and teaming . . . . . | 342.10   |
|                             | <hr/>    |
|                             | \$443.25 |

## WATER SERVICES.

## SERVICE CONSTRUCTION.

Two hundred and five new service connections were made in 1898, as follows:—

|   |       |
|---|-------|
| Owners' applications received in 1898 . . . . .                           | 204   |
| Transferred from City of Cambridge main in<br>Somerville avenue . . . . . | 1     |
|   | <hr/> |
|   | 205   |

The following table shows the sizes and lengths laid : —

|       | SIZE. | NUMBER. | LENGTH.    |
|-------|-------|---------|------------|
|       | 2"    | 3       | 121 feet   |
|       | 1"    | 8       | 229 "      |
|       | ¾"    | 194     | 7,301 "    |
| Total |       | 205     | 7,651 feet |

Total number of service pipes laid to January 1, 1899, 9,806.

Total length of service pipe used in making service connections, 61 miles, 3,536 feet.

#### SERVICE MAINTENANCE.

The following items of expense appear in the maintenance and repairs of service pipes :—

|   |            |
|---|------------|
| Leaks repaired on service pipes . . . . .   | 163        |
| Iron service boxes set . . . . .  | 129        |
| New service gates set on old connections . . . . .                                      | 44         |
| Services cleaned of sediment, fish, etc. . . . .  | 107        |
| Services replaced at city's expense on account of defective pipe and fittings . . . . . | 7          |
| Total expenditure for labor and fittings on service maintenance account . . . . .       | \$2,085.36 |

#### HIGH SERVICE.

##### COST OF OPERATION AND MAINTENANCE.

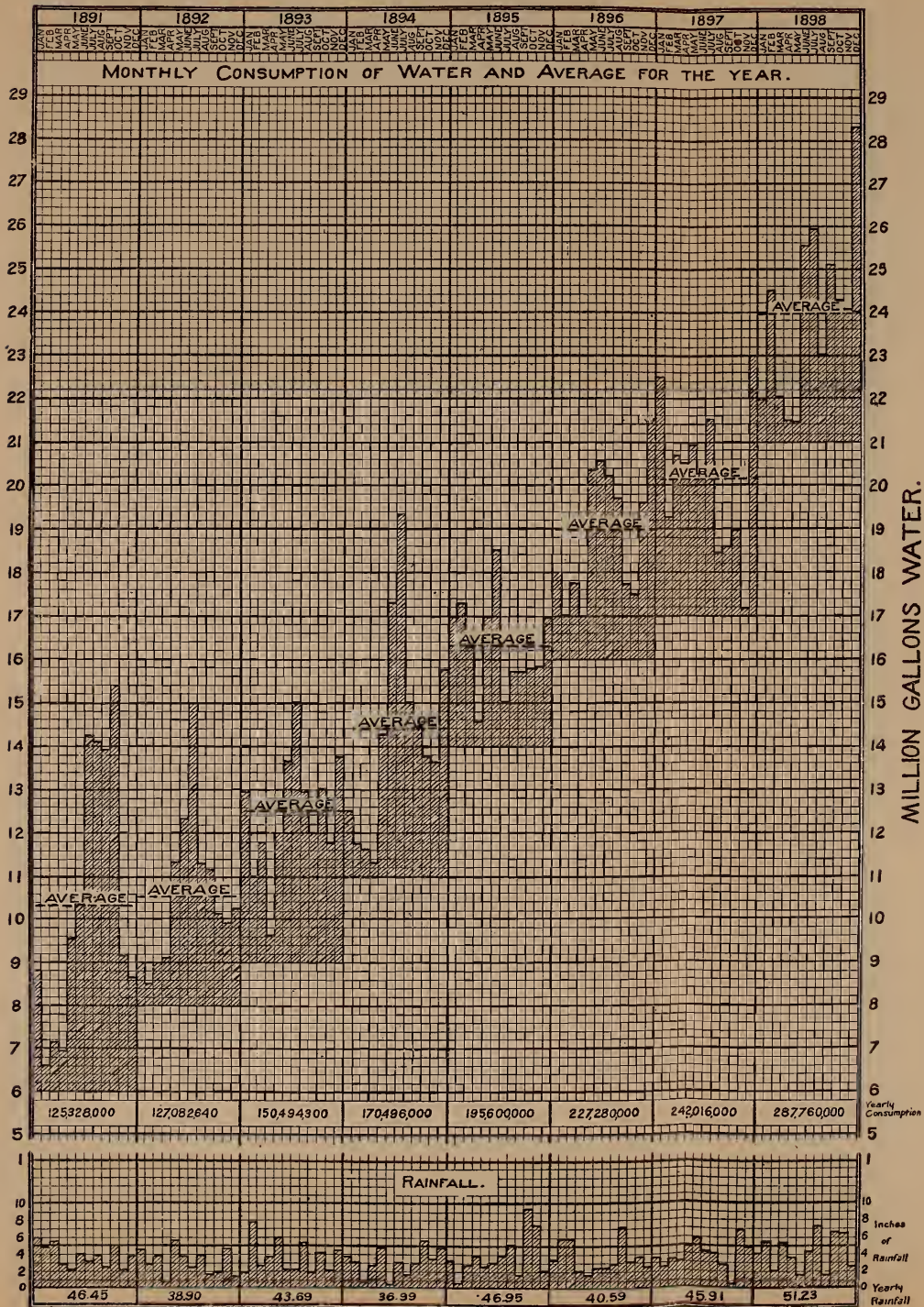
|  |            |
|--|------------|
| Engineer's salary . . . . .                        | \$1,100.00 |
| Firemen's wages . . . . .                          | 850.75     |
| Fuel for boiler . . . . .                          | 1,554.14   |
| Telephone rental and tolls . . . . .               | 82.69      |
| Electric lighting . . . . .                        | 49.21      |
| Supplies and repairs to pump and boilers . . . . . | 215.70     |
|  | <hr/>      |
|  | \$3,852.49 |

Total number of gallons of water pumped in 1898, 287,760,000.

Cost of pumping per 1,000 gallons, based on the expense of operating the high service system, \$0.01343.

# SOMERVILLE WATER WORKS

CHART SHOWING THE CONSUMPTION OF WATER IN THE DISTRICT SUPPLIED BY THE  
SOMERVILLE HIGH SERVICE  
ALSO THE  
RAINFALL IN SOMERVILLE







# VALUATION OF PROPERTY UNDER CONTROL OF THE WATER BOARD, DECEMBER 31, 1898.

|  |   |              |
|--|---|--------------|
| 78 miles, 2,442 feet of iron and cement distribution mains . . . . . | } | \$700,000.00 |
| 1,035 gates and boxes set in connection therewith . . . . .          |   |              |
| 822 fire hydrants set in connection therewith                        |   |              |
| 57 water-posts set in connection therewith                           |   |              |
| 194 water meters set in connection therewith                         |   |              |
| High-service standpipe and grounds . . . . .                         |   | 17,000.00    |
| Department building and grounds . . . . .                            |   | 32,000.00    |
| High-service pumps and boilers . . . . .                             |   | 10,000.00    |
| Fuel for high-service boilers . . . . .                              |   | 12.85        |
| Pump and boiler sundries . . . . .                                   |   | 16.70        |
| Department building furniture . . . . .                              |   | 902.25       |
| Office furniture . . . . .   |   | 1,341.55     |
| Books, stationery, etc. . . . .                                      |   | 200.00       |
| Tools . . . . .  |   | 2,565.23     |
| Horses . . . . .   |   | 500.00       |
| Wagons, sleighs, etc. . . . .  |   | 760.00       |
| Harnesses, robes, etc., . . . . .                                    |   | 235.00       |
| Hay and grain . . . . .  |   | 15.50        |
| Stable equipment . . . . .   |   | 120.18       |
| Main pipe . . . . .  |   | 13,200.00    |
| Special castings and fittings . . . . .                              |   | 3,384.17     |
| Gates and boxes . . . . .  |   | 960.60       |
| Pig lead . . . . .   |   | 8.00         |
| Service pipe and fittings . . . . .                                  |   | 1,423.21     |
| Meters and fittings . . . . .  |   | 749.75       |
|  |   | <hr/>        |
|  |   | \$785,394.99 |

The Board is also in control of 61 miles, 3,536 feet of service pipes, with 9,806 connections, the cost of which has been paid to the city by the owners of properties connected to the water mains.

# REPORT OF THE ENGINEER OF THE PUMPING STATION.

HIGH SERVICE PUMPING STATION,  
SOMERVILLE, Dec. 31, 1898.

TO THE BOARD OF WATER COMMISSIONERS.

*Gentlemen:*—The following table shows the work done at the high service pumping station for the year ending December 31, 1898.

| Date, 1898. | No. of Days. | No. of Runs. | Pumping Time in Hours. | Gallons of Water Pumped. | Pounds of Coal Burned. | Pounds of Ashes and Clinkers. |
|-------------|--------------|--------------|------------------------|--------------------------|------------------------|-------------------------------|
| January     | 31           | 62           | 227.30                 | 21,984,000               | 69,100                 | 8,700                         |
| February    | 28           | 57           | 426.00                 | 24,552,000               | 83,440                 | 10,195                        |
| March       | 31           | 62           | 236.00                 | 22,056,000               | 67,350                 | 7,025                         |
| April       | 30           | 61           | 226.00                 | 21,480,000               | 62,625                 | 8,175                         |
| May         | 31           | 62           | 227.30                 | 21,336,000               | 62,075                 | 9,075                         |
| June        | 30           | 60           | 249.00                 | 25,632,000               | 72,350                 | 8,650                         |
| July        | 31           | 62           | 250.45                 | 25,872,000               | 71,725                 | 9,175                         |
| August      | 31           | 63           | 228.30                 | 23,088,000               | 68,495                 | 9,015                         |
| September   | 30           | 60           | 249.30                 | 25,128,000               | 62,825                 | 11,275                        |
| October     | 31           | 62           | 234.15                 | 24,312,000               | 68,625                 | 10,625                        |
| November    | 30           | 60           | 281.30                 | 24,000,000               | 72,650                 | 9,825                         |
| December    | 31           | 64           | 349.30                 | 28,320,000               | 93,625                 | 12,075                        |
| Total . .   | 365          | 735          | 3,186.00               | 287,760,000              | 854,885                | 113,810                       |

No general repairs have been necessary. The air pump has been overhauled and the vacuum improved. The boilers have been thoroughly cleaned and inspected; new fire-brick linings have been laid, and the entire apparatus is in good condition.

SIDNEY E. HAYDEN,

*Engineer.*

REPORT  
OF THE  
BOARD OF HEALTH.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 11, 1899.

Referred to the Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 11, 1899.

Referred to the Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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OFFICE OF THE BOARD OF HEALTH,  
CITY HALL, January 2, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen* : — We respectfully submit the following as the twenty-first annual report of the Board of Health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the Board for the year ending December 31, 1898:—

### ORGANIZATION.

*Chairman*, ALLEN F. CARPENTER.

*Clerk*, WILLIAM P. MITCHELL.

*Agent*, CALEB A. PAGE.

### NUISANCES.

A record of nuisances abated during the year, in compliance with notices issued by the Board, or under the Board's direction, is presented in the following table:—

## NUISANCES ABATED IN EACH DISTRICT IN 1898.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

|   | I.    | II.   | III.  | IV.   | V.     | VI.   | VII.  | VIII. | IX.   | X.    | Total. |
|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| Population (estimated).                                   | 7,431 | 5,891 | 5,023 | 5,928 | 11,555 | 6,468 | 7,044 | 3,210 | 4,292 | 3,158 | 60,000 |
| Calf kept in cellar . . . . .                             | .     | .     | .     | 1     | .      | .     | .     | .     | .     | .     | 1      |
| Cellar damp . . . . .                                     | 4     | 3     | 4     | 2     | 1      | 2     | 1     | .     | 1     | .     | 18     |
| Cesspool offensive . . . . .                              | 1     | .     | 1     | .     | .      | .     | .     | .     | 2     | 2     | 6      |
| Cow barn offensive . . . . .                              | 1     | .     | 3     | 4     | .      | 1     | .     | .     | .     | 1     | 10     |
| Dogs kept in cellar . . . . .                             | 1     | .     | .     | 2     | .      | .     | .     | .     | 1     | .     | 4      |
| Drainage defective . . . . .                              | 3     | 5     | 1     | 4     | 2      | 3     | 4     | 1     | 2     | 1     | 26     |
| Drainage emptying into cellar .                           | 2     | 3     | .     | 2     | .      | .     | 1     | .     | .     | .     | 8      |
| Drainage emptying on surface .                            | 4     | 1     | 3     | .     | 1      | 2     | .     | 1     | 1     | .     | 13     |
| Drainage not ventilated . . . .                           | 1     | 3     | .     | .     | 1      | 3     | 2     | .     | .     | 2     | 12     |
| Drain-pipe defective . . . . .                            | 4     | 2     | .     | 5     | 2      | 4     | 1     | .     | 2     | 3     | 23     |
| Fish offal . . . . .                                      | 2     | .     | 2     | .     | .      | .     | .     | .     | .     | 1     | 5      |
| Goats kept without license . . .                          | .     | .     | .     | 1     | .      | .     | .     | 1     | .     | .     | 2      |
| Hennery offensive . . . . .                               | 4     | 2     | 3     | 2     | 1      | 3     | .     | 1     | 1     | 1     | 18     |
| Hens kept in cellar . . . . .                             | 1     | .     | 2     | 3     | .      | 2     | .     | 2     | 1     | .     | 11     |
| Manure exposed and offensive .                            | 4     | 2     | 3     | 4     | 1      | 3     | 2     | 2     | 1     | 2     | 24     |
| Manure pit defective . . . . .                            | 3     | 2     | 4     | 5     | 2      | 5     | 4     | 3     | 4     | 3     | 35     |
| Offal on land . . . . .                                   | 1     | .     | 1     | 1     | .      | 1     | 1     | 2     | .     | 1     | 8      |
| Offensive odor in and about dwellings                     | 2     | .     | .     | 1     | .      | .     | .     | 1     | .     | 1     | 5      |
| Pigeons kept in cellar . . . . .                          | .     | 1     | .     | .     | .      | .     | .     | .     | .     | .     | 1      |
| Pigs kept without license . . . .                         | 3     | 1     | .     | 1     | 1      | .     | .     | .     | .     | .     | 6      |
| Premises filthy . . . . .                                 | 2     | .     | 1     | 1     | .      | 2     | 1     | .     | .     | 1     | 8      |
| Premises untidy . . . . .                                 | 23    | 2     | 12    | 4     | .      | 13    | 2     | 2     | .     | .     | 58     |
| Privy-vault defective . . . . .                           | 6     | 1     | 1     | 8     | 2      | 2     | .     | .     | 1     | 1     | 22     |
| Privy-vault offensive . . . . .                           | 73    | 12    | 10    | 14    | 13     | 16    | 13    | 12    | 14    | 14    | 194    |
| Rubbish in cellar . . . . .                               | 3     | .     | 1     | 2     | .      | 2     | 2     | 1     | .     | 1     | 12     |
| Sewage flowing under floor . . .                          | 2     | 1     | 1     | .     | .      | 1     | 1     | .     | 1     | .     | 7      |
| Sewage-gas in house . . . . .                             | 4     | 3     | 3     | 2     | 1      | 2     | 2     | 1     | 2     | 1     | 21     |
| Slops thrown on surface . . . .                           | 3     | 1     | 2     | 4     | .      | 1     | 2     | 1     | 2     | 3     | 19     |
| Stable infected with glanders .                           | 13    | 2     | 6     | 3     | 4      | 4     | 7     | .     | .     | 2     | 41     |
| Stable and stable premises filthy and offensive . . . . . | 4     | 3     | 5     | 7     | 2      | 4     | 3     | 2     | 2     | 3     | 35     |
| Stable without drainage . . . . .                         | 10    | 2     | 3     | 4     | 3      | 5     | 2     | 1     | 3     | 4     | 37     |
| Stagnant water on surface . . . .                         | 2     | 3     | 2     | 2     | 3      | 2     | 2     | 2     | 3     | 4     | 25     |
| Waste-pipe defective . . . . .                            | 13    | 5     | 6     | 8     | 4      | 6     | 7     | 4     | 8     | 5     | 66     |
| Waste-pipe not trapped . . . . .                          | 8     | 2     | 1     | 1     | 2      | 2     | 2     | 4     | 3     | 2     | 27     |
| Water-closet defective . . . . .                          | 5     | 2     | 1     | 1     | 2      | 3     | 1     | .     | 4     | 2     | 21     |
| Water-closet insufficiently supplied with water . . . . . | 3     | .     | .     | 2     | .      | 1     | .     | 2     | .     | 1     | 9      |
| Water-closet offensive . . . . .                          | 8     | 3     | 4     | 5     | 1      | 4     | 1     | 3     | 1     | 2     | 32     |
| Water in cellar . . . . .                                 | 2     | 2     | .     | 1     | .      | .     | 1     | .     | .     | .     | 6      |
| Water under stable . . . . .                              | 1     | .     | .     | 2     | .      | .     | .     | .     | .     | 1     | 4      |
| Total . . . . .   | 229   | 69    | 86    | 109   | 49     | 99    | 65    | 49    | 60    | 65    | 880    |

|   |       |
|---|-------|
| Number of nuisances abated . . . . .                                  | 880   |
| Number of nuisances referred to Board of 1899 . . . . .               | 120   |
| Number of nuisances complained of . . . . .                           | 1,000 |
| Number of complaints (many covering more than one nuisance) . . . . . | 518   |
| Number of notices mailed . . . . .                                    | 509   |
| Number of notices served by constables . . . . .                      | 23    |

In addition to the above, one hundred and thirty-seven dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the Board, of which no record has been made.

GLANDERS.—Forty-one cases of glanders have occurred during the year. Prompt action was taken in every case, and the horses have been killed. We renew our request of previous years, that owners of horses notify the Board, or its agent, at once, on the appearance of this disease. We renew our request to the Committee on Highways, that the committee have the watering troughs cleaned out frequently, in order to prevent the spread of this disease.

#### PERMITS.

The record of permits to keep cows and swine, to collect grease, and to remove manure, is as follows : —

Cows.—Thirty applications were received for permits to keep one hundred and seventy-eight cows. Twenty-seven permits to keep one hundred and seventy cows were granted, and three permits were refused.

SWINE.—Thirteen applications were received for permits to keep twenty-four swine. Eleven permits were granted to keep twenty-two swine, and two permits were refused. The fee is one dollar for each swine.

GREASE.—Eleven applications were received for permits to collect grease, nine of which were granted. The fee is two dollars. One of the parties licensed resides in Somerville, two in Charlestown, three in Cambridge, two in Boston, and one in Malden.

MANURE.—Seven permits were issued during the year for the carting of manure through the streets of the city in the day-time, between May 1 and November 1. All permits issued for the removal of manure from the stables in the city in the day-time, or for carting through the streets of the city, remain in force until revoked. No fee is charged for these permits.

#### PEDDLERS.

One hundred and sixty-seven certificates of registration were issued to hawkers and peddlers during the year,—a

decrease of thirty-two from the year 1897. These certificates are issued under Ordinance number thirty of the Revised Ordinances of 1891, and are good for an indefinite period. All peddlers are required to present their vehicles for inspection by the agent of the Board at the Police Station, the first Monday of each month, so that he may see that they are kept in a clean condition and are properly marked with the owner's name and number.

### ASHES.

During the past year the ashes have been removed by this department with teams owned and men hired by the city, under a competent superintendent, who also superintends the collection of house offal.

Thirteen men, with nine horses and seven carts, are employed in the work.

The number of loads collected each month during the year was as follows :—

|                     |        |
|---------------------|--------|
| January . . . . .   | 2,099  |
| February . . . . .  | 1,733  |
| March . . . . .     | 2,187  |
| April . . . . .     | 2,056  |
| May . . . . .       | 2,427  |
| June . . . . .      | 1,817  |
| July . . . . .      | 1,559  |
| August . . . . .    | 1,552  |
| September . . . . . | 1,606  |
| October . . . . .   | 1,738  |
| November . . . . .  | 1,796  |
| December . . . . .  | 2,634  |
| <hr/>               |        |
| Total . . . . .     | 23,204 |

The collections are made weekly, as follows :—

|                     |                  |
|---------------------|------------------|
| Monday . . . . .    | in district one. |
| Tuesday . . . . .   | “ two.           |
| Wednesday . . . . . | “ three.         |
| Thursday . . . . .  | “ four.          |
| Friday . . . . .    | “ five.          |
| Saturday . . . . .  | “ six.           |



Materials for removal must be free from filth and offal, must be placed in barrels or boxes, and must be set on the outer edge of the sidewalk before seven o'clock in the morning of the day when the collection is to be made.

The districts were established by the Board of Health of 1890, and are bounded as follows :—

DISTRICT 1. — Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Highland avenue, the easterly line of Medford street, the northerly line of Washington street, the northwesterly line of Prospect street, the northerly line of Concord avenue, extended across Beacon street to the Cambridge line, and by the Cambridge and Boston lines.

DISTRICT 2. — Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford and Boston lines.

DISTRICT 3. — Beginning at the Medford line and bounded by the southeasterly line of Cedar street, the northeasterly line of Highland avenue, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford line.

DISTRICT 4. — Beginning at the intersection of Medford and Washington streets, and bounded by the northerly line of Washington street, the northwesterly line of Prospect street, the northeasterly line of Somerville avenue, the southeasterly line of School street, the northeasterly line of Summer street, the southeasterly line of Cedar street, the northeasterly line of Highland avenue, and the easterly line of Medford street to Washington street.

DISTRICT 5.—Beginning at the intersection of Prospect street and Somerville avenue, and bounded by the northwesterly line of Prospect street, the northerly line of Concord avenue, prolonged to the Cambridge line, the Cambridge line (extending westwardly), the southeasterly lines of Oxford, Mossland, and Cedar streets, the northeasterly line of Summer street, the southeasterly line of School street, and the northeasterly line of Somerville avenue to Prospect street.

DISTRICT 6.— All of that portion of the city lying west of the southeasterly lines of Cedar, Mossland, and Oxford streets.

It will be seen by these descriptions that the side lines of streets are used as boundaries, and not the middle lines ; so that ashes are removed from the sidewalks on both sides of a street on the same day.

#### HOUSE OFFAL.

The house offal has been collected by the city during the year under the same system that has been employed in the removal of ashes, and which was adopted in both departments in the year 1895.

The force employed consists of eighteen men, with ten horses and nine wagons.

The following table, showing the number of loads collected each month during the year, may be of interest : —

|           |   |   |   |   |   |   |   |       |
|-----------|---|---|---|---|---|---|---|-------|
| January   | . | . | . | . | . | . | . | 418   |
| February  | . | . | . | . | . | . | . | 368   |
| March     | . | . | . | . | . | . | . | 392   |
| April     | . | . | . | . | . | . | . | 416   |
| May       | . | . | . | . | . | . | . | 416   |
| June      | . | . | . | . | . | . | . | 416   |
| July      | . | . | . | . | . | . | . | 446   |
| August    | . | . | . | . | . | . | . | 516   |
| September | . | . | . | . | . | . | . | 510   |
| October   | . | . | . | . | . | . | . | 511   |
| November  | . | . | . | . | . | . | . | 498   |
| December  | . | . | . | . | . | . | . | 502   |
| Total     | . | . | . | . | . | . | . | 5,409 |

#### NIGHT SOIL.

There are but few privies remaining in the city, and it is the expectation of the Board that most of these will be removed during the coming year.

## STABLES.

The following is a copy of an Act of the Legislature of 1895, Chapter 213, relating to the licensing and regulating of stables in cities, as amended by Chapter 332 of the Acts of 1896, and Section 3 of Chapter 300 of the Acts of 1897.

SECTION 1.—No person shall hereafter erect, occupy, or use for a stable, any building in any city whose population exceeds twenty-five thousand, unless such use is licensed by the Board of Health of said city, and in such case only to the extent so licensed.

SECT. 2.—The foregoing provisions shall not be construed to prevent any such occupation and use which may be authorized by law at the time of the passage of this act, to the extent and by the person or persons so authorized; provided, however, that the Board of Health of any such city may make such regulations or orders respecting the drainage, ventilation, number of animals, and the storage and handling of manure in any existing stables in their respective cities as in their judgment the public health requires.

SECT. 3.—Whoever violates the provisions of this act, or of any regulation or order made pursuant thereto, shall be punished by a fine of five dollars for each day such offense continues; and any court having equity jurisdiction may restrain any such erection, occupation, or use contrary to the provisions of this act.

The number of petitions received for licenses to erect stables under the above law was fifty-eight.

|                          |    |
|--------------------------|----|
| Number granted . . . . . | 35 |
| Number refused . . . . . | 23 |

## DEATHS.

There were eight hundred and eighty deaths and sixty-two stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of twenty-one.

|   |    |
|---|----|
| Deaths at Somerville Hospital during the year . . . . . | 20 |
| Deaths at Home for Aged Poor . . . . .                  | 58 |

## DEATHS BY AGES.

| AGES.                       | Total. | Male. | Female |
|-----------------------------|--------|-------|--------|
| Under one . . . . .         | 195    | 106   | 89     |
| One to two . . . . .        | 35     | 17    | 18     |
| Two to three . . . . .      | 18     | 8     | 10     |
| Three to four . . . . .     | 8      | 6     | 2      |
| Four to five . . . . .      | 3      | 2     | 1      |
| Five to ten . . . . .       | 14     | 6     | 8      |
| Ten to fifteen . . . . .    | 11     | 7     | 4      |
| Fifteen to twenty . . . . . | 10     | 8     | 2      |
| Twenty to thirty . . . . .  | 75     | 33    | 42     |
| Thirty to forty . . . . .   | 55     | 24    | 31     |
| Forty to fifty . . . . .    | 68     | 35    | 33     |
| Fifty to sixty . . . . .    | 85     | 47    | 38     |
| Sixty to seventy . . . . .  | 131    | 71    | 60     |
| Seventy to eighty . . . . . | 106    | 52    | 54     |
| Eighty and over . . . . .   | 66     | 21    | 45     |
|                             | 880    | 443   | 437    |





MORTALITY IN SOMERVILLE IN 1898.—*Concluded.*

|   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| <b>LOCAL DISEASES.</b>                            |          |           |        |        |      |       |       |         |            |          |           |           |        |
| <b>DIGESTIVE ORGANS.</b>                          |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Gastritis . . . . .                               | 1        | ..        | ..     | 1      | 1    | ..    | 1     | 2       | ..         | 1        | ..        | 1         | 8      |
| Peritonitis . . . . .                             | 1        | ..        | ..     | ..     | 1    | ..    | 1     | ..      | ..         | 1        | 1         | 1         | 5      |
| Hepatitis . . . . .                               | ..       | ..        | 1      | ..     | ..   | ..    | ..    | ..      | ..         | 1        | ..        | ..        | 2      |
| Jaundice . . . . .                                | ..       | ..        | 1      | 1      | ..   | ..    | ..    | ..      | ..         | ..       | ..        | ..        | 2      |
| Liver disease . . . . .                           | ..       | 1         | 1      | ..     | 1    | 1     | ..    | 1       | ..         | 1        | ..        | ..        | 6      |
| Gastric ulcer . . . . .                           | ..       | ..        | ..     | 1      | ..   | ..    | ..    | 1       | ..         | ..       | ..        | ..        | 2      |
| Enteritis . . . . .                               | ..       | 1         | 1      | ..     | ..   | ..    | 2     | 7       | 3          | ..       | 1         | ..        | 15     |
| Hæmatemesis . . . . .                             | 1        | ..        | ..     | 1      | ..   | 1     | ..    | 1       | ..         | ..       | ..        | ..        | 4      |
| Hernia . . . . .                                  | ..       | 1         | ..     | ..     | ..   | ..    | ..    | ..      | ..         | 1        | ..        | 1         | 3      |
| Appendicitis . . . . .                            | ..       | ..        | ..     | ..     | ..   | ..    | ..    | 1       | 1          | ..       | ..        | ..        | 2      |
| Cirrhosis . . . . .                               | ..       | 1         | ..     | 1      | ..   | 1     | 1     | ..      | ..         | ..       | ..        | ..        | 4      |
| <b>GENITO-URINARY ORGANS.</b>                     |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Bright's disease . . . . .                        | ..       | 1         | ..     | 3      | 3    | 2     | 2     | ..      | 1          | ..       | 1         | 2         | 15     |
| Diabetes . . . . .                                | ..       | 1         | ..     | ..     | ..   | 2     | ..    | 2       | 1          | 1        | 2         | 2         | 11     |
| Cystitis . . . . .                                | ..       | ..        | ..     | 1      | ..   | 1     | ..    | ..      | ..         | ..       | ..        | 1         | 3      |
| Nephritis . . . . .                               | ..       | 2         | 3      | 2      | 1    | ..    | ..    | ..      | 2          | ..       | 3         | 2         | 15     |
| Childbirth . . . . .                              | ..       | ..        | ..     | 1      | ..   | 2     | ..    | 1       | ..         | 1        | ..        | ..        | 5      |
| Eclampsia . . . . .                               | ..       | ..        | ..     | 1      | ..   | 1     | ..    | ..      | ..         | ..       | 1         | 1         | 4      |
| <b>INTEGUMENTARY SYSTEM.</b>                      |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Abscess . . . . .                                 | 1        | ..        | 1      | 1      | ..   | ..    | 2     | ..      | ..         | ..       | 1         | ..        | 6      |
| Pemphigus . . . . .                               | ..       | ..        | 1      | ..     | ..   | 1     | ..    | ..      | ..         | ..       | ..        | 1         | 3      |
| Eczema . . . . .                                  | ..       | ..        | ..     | 1      | ..   | ..    | 1     | ..      | ..         | ..       | ..        | ..        | 2      |
| Ulcer . . . . .                                   | ..       | 1         | 1      | ..     | ..   | ..    | ..    | ..      | ..         | ..       | ..        | 1         | 3      |
| <b>DEVELOPMENTAL DISEASES.</b>                    |          |           |        |        |      |       |       |         |            |          |           |           |        |
| <b>OF CHILDREN.</b>                               |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Inanition . . . . .                               | 1        | 2         | 3      | ..     | 1    | ..    | 4     | 3       | 5          | 2        | 2         | 3         | 26     |
| Premature birth and congenital debility . . . . . | 2        | 2         | 3      | 3      | 4    | 4     | 3     | 4       | 5          | 5        | 3         | 2         | 40     |
| <b>OF OLD PEOPLE.</b>                             |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Old age . . . . .                                 | 3        | 4         | 6      | 2      | 3    | 3     | 1     | ..      | 3          | 3        | 1         | 2         | 31     |
| <b>VIOLENT DEATHS.</b>                            |          |           |        |        |      |       |       |         |            |          |           |           |        |
| Rupture of Liver . . . . .                        | ..       | ..        | ..     | ..     | ..   | 1     | ..    | ..      | ..         | ..       | ..        | ..        | 1      |
| Railroad . . . . .                                | ..       | ..        | 1      | ..     | ..   | ..    | ..    | 1       | 1          | ..       | 1         | ..        | 4      |
| Suicide . . . . .                                 | ..       | ..        | ..     | ..     | ..   | ..    | 1     | 1       | 1          | ..       | 1         | 1         | 5      |
| Accidental poisoning . . . . .                    | 1        | ..        | ..     | ..     | ..   | ..    | ..    | ..      | ..         | ..       | 1         | ..        | 2      |
| Asphyxia . . . . .                                | 1        | ..        | 1      | ..     | ..   | ..    | 1     | ..      | ..         | ..       | ..        | ..        | 3      |
| Accidental drowning . . . . .                     | ..       | ..        | ..     | ..     | ..   | ..    | ..    | 2       | ..         | ..       | ..        | ..        | 2      |
| Burning . . . . .                                 | ..       | ..        | 1      | ..     | ..   | ..    | ..    | 1       | ..         | ..       | ..        | ..        | 2      |
| Alcoholism . . . . .                              | ..       | ..        | ..     | ..     | ..   | ..    | 1     | ..      | ..         | ..       | ..        | ..        | 1      |
| Concussion of brain . . . . .                     | 1        | 1         | ..     | ..     | ..   | 1     | ..    | 1       | ..         | ..       | ..        | ..        | 4      |
| Fracture of hip . . . . .                         | ..       | 1         | ..     | ..     | ..   | ..    | ..    | ..      | ..         | ..       | 1         | 1         | 3      |
| Fracture of skull . . . . .                       | ..       | ..        | ..     | ..     | ..   | 2     | ..    | 2       | ..         | ..       | ..        | 1         | 5      |
| Shock from electric wire . . . . .                | ..       | 1         | ..     | ..     | ..   | ..    | ..    | ..      | ..         | ..       | ..        | ..        | 1      |
| <b>Total . . . . .</b>                            | 64       | 65        | 79     | 75     | 69   | 64    | 59    | 112     | 73         | 54       | 68        | 98        | 880    |
| <b>Stillborn . . . . .</b>                        | 5        | 6         | 6      | 8      | 9    | 4     | 6     | 4       | 3          | 7        | 2         | 2         | 62     |

Population (estimated) . . . . . 60,000

Death rate per thousand . . . . . 14.6

## DISEASES DANGEROUS TO THE PUBLIC HEALTH.

This Board has adjudged that the diseases known as smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, typhoid fever, and cholera are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the Board every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose.

There have been but few cases of contagious disease this year, as compared with former years. The general use of anti-toxine by the physicians and of culture tubes provided and placed in central localities by the Board, and the care exercised by our agent in the fumigation of infected premises have, we believe, been important factors in decreasing the number of cases.

SCARLET FEVER.—Eighty cases of scarlet fever have been reported during the year, none of which resulted fatally. In 1897 there were one hundred and fifty-eight cases, six of which resulted fatally.

DIPHTHERIA.—Seventy-four cases of diphtheria have been reported during the year, ten of which were fatal. In 1897 there were three hundred and twenty-four cases, forty-four of which proved fatal. Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the Formaldehyde gas regenerator, immediately after the termination of a case. An inspection is made by the agent of the Board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

TYPHOID FEVER.—Fifty-four cases of typhoid fever have been reported during the year, eleven of which have proved fatal. In 1897 there were fifty cases reported, eleven of which were fatal.

TYPHUS FEVER, SMALLPOX, CHOLERA.—No cases of typhus fever, smallpox, or cholera have been reported the past year.

|   |     |
|---|-----|
| Number of houses placarded . . . . .    | 154 |
| Premises disinfected by agent . . . . . | 176 |

Tables.—The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1898 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years :—

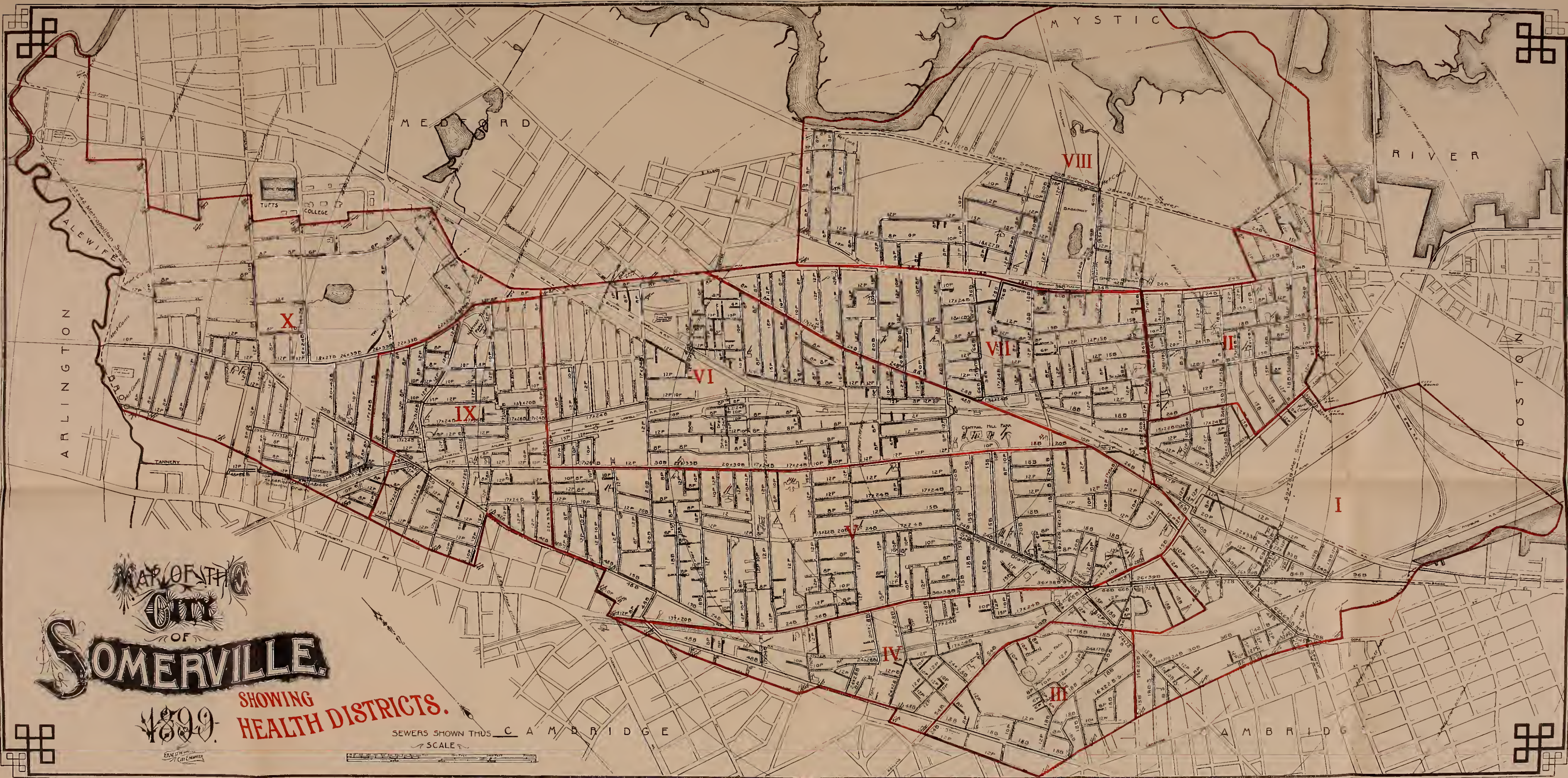
SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER  
REPORTED IN 1898.

| MONTHS.             | SCARLET FEVER.  |                   |                       | DIPHTHERIA.     |                   |                       | TYPHOID FEVER.  |                   |                       |
|---------------------|-----------------|-------------------|-----------------------|-----------------|-------------------|-----------------------|-----------------|-------------------|-----------------------|
|                     | Cases Reported. | Number of Deaths. | Percentage of Deaths. | Cases Reported. | Number of Deaths. | Percentage of Deaths. | Cases Reported. | Number of Deaths. | Percentage of Deaths. |
| January . . . . .   | 11              | ..                | ..                    | 15              | 2                 | 13.3                  | 2               | 2                 | 100                   |
| February . . . . .  | 4               | ..                | ..                    | 1               | ..                | ..                    | 2               | 2                 | 100                   |
| March . . . . .     | 8               | ..                | ..                    | 8               | ..                | ..                    | ..              | ..                | ..                    |
| April . . . . .     | 16              | ..                | ..                    | 3               | 1                 | 33.3                  | 3               | 2                 | 66.6                  |
| May . . . . .       | 13              | ..                | ..                    | 3               | 1                 | 14.3                  | 4               | 1                 | 25                    |
| June . . . . .      | 8               | ..                | ..                    | 3               | ..                | ..                    | 3               | 1                 | 33.3                  |
| July . . . . .      | 2               | ..                | ..                    | 10              | ..                | ..                    | ..              | ..                | ..                    |
| August . . . . .    | 1               | ..                | ..                    | 5               | 3                 | 60                    | 8               | 1                 | 12.5                  |
| September . . . . . | 3               | ..                | ..                    | 3               | ..                | ..                    | 16              | ..                | ..                    |
| October . . . . .   | 4               | ..                | ..                    | 8               | ..                | ..                    | 5               | 1                 | 20                    |
| November . . . . .  | 5               | ..                | ..                    | 7               | 2                 | 28.5                  | 6               | ..                | ..                    |
| December . . . . .  | 5               | ..                | ..                    | 4               | 1                 | 25                    | 5               | 1                 | 20                    |
| Total . . . . .     | 80              | ..                | ..                    | 74              | 10                | 13.5                  | 54              | 11                | 20.3                  |

DEATHS FROM SCARLET FEVER, DIPHTHERIA, AND TYPHOID  
FEVER IN THE LAST TEN YEARS.

| MONTHS.             | SCARLET FEVER. |       |       |       |       |       |       |       | DIPHTHERIA. |       |       |       |       |       |       |       | TYPHOID FEVER. |       |       |       |       |       |       |       |       |       |       |       |       |    |
|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|                     | 1889.          | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. | 1896. | 1897.       | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. | 1896.          | 1897. | 1898. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. | 1896. | 1897. | 1898. |    |
| January . . . . .   | .              | .     | .     | .     | 1     | 7     | 8     | .     | .           | .     | 1     | 2     | 2     | 2     | 2     | 2     | 4              | 12    | 2     | .     | .     | .     | .     | .     | 2     | .     | 2     | .     | 2     |    |
| February . . . . .  | 1              | 2     | .     | .     | .     | 3     | 5     | .     | .           | .     | .     | 2     | .     | .     | .     | .     | .              | .     | .     | .     | .     | 1     | .     | .     | .     | 1     | .     | .     | 2     |    |
| March . . . . .     | 1              | 1     | .     | 3     | .     | 7     | 2     | 1     | 2           | .     | 4     | 2     | .     | .     | 1     | 4     | 6              | 3     | 4     | .     | .     | .     | 2     | .     | .     | 1     | .     | .     | .     |    |
| April . . . . .     | .              | .     | .     | 2     | .     | 3     | 1     | .     | 2           | .     | 2     | 1     | 1     | 2     | 2     | 1     | 6              | 5     | 5     | 1     | 1     | 1     | 2     | 2     | .     | 1     | .     | 1     | 2     |    |
| May . . . . .       | .              | .     | .     | 1     | 4     | .     | 7     | .     | .           | .     | 6     | 1     | 1     | 1     | 2     | 3     | 4              | 4     | 7     | 1     | 1     | 1     | .     | .     | 2     | .     | 1     | 1     | 1     |    |
| June . . . . .      | 1              | 1     | 1     | .     | .     | 4     | .     | .     | .           | .     | 4     | .     | .     | .     | .     | .     | 2              | 1     | .     | .     | 1     | .     | .     | .     | 1     | 1     | 2     | .     | 1     |    |
| July . . . . .      | 1              | .     | .     | 1     | .     | 4     | 1     | .     | 2           | .     | 1     | 4     | 1     | .     | .     | 1     | 2              | 5     | 1     | .     | .     | .     | .     | 1     | .     | 1     | 1     | 2     | .     |    |
| August . . . . .    | .              | .     | .     | .     | 3     | .     | 1     | .     | .           | .     | 1     | 1     | .     | .     | 4     | 3     | 2              | 2     | .     | 3     | 2     | 2     | .     | 1     | 1     | 2     | 2     | 1     | .     |    |
| September . . . . . | .              | .     | .     | .     | 2     | 1     | .     | .     | .           | .     | 1     | .     | 3     | .     | 1     | .     | 2              | 2     | 7     | .     | 2     | 1     | 2     | 4     | 2     | 2     | .     | 6     | 2     |    |
| October . . . . .   | 1              | .     | .     | 1     | .     | 3     | .     | 2     | .           | .     | 2     | 3     | 3     | .     | 1     | 4     | 3              | 1     | 5     | .     | 1     | 1     | 2     | 3     | 3     | .     | 4     | 3     | 2     |    |
| November . . . . .  | 2              | .     | .     | .     | 9     | 7     | .     | .     | .           | .     | 1     | 3     | 4     | 1     | 2     | 5     | 4              | 7     | 8     | 2     | .     | 1     | 3     | .     | 2     | 2     | .     | 5     | 1     |    |
| December . . . . .  | .              | 1     | .     | 3     | 7     | 2     | .     | 1     | .           | .     | 5     | 2     | 3     | .     | 1     | 8     | 6              | 1     | 1     | .     | .     | .     | .     | 2     | 2     | 1     | .     | 1     | 1     |    |
| Total . . . . .     | 7              | 5     | 2     | 14    | 19    | 51    | 17    | 5     | 6           | 0     | 28    | 21    | 18    | 8     | 11    | 28    | 43             | 54    | 44    | 10    | 7     | 10    | 11    | 11    | 13    | 13    | 10    | 26    | 11    | 11 |





MAP OF THE  
CITY  
OF  
**SOMERVILLE.**

1899

SHOWING  
HEALTH DISTRICTS.

SEWERS SHOWN THUS C A M B R I D G E  
SCALE

EDWIN S. COTT





## DISTRICTS.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the Board of Health of 1878 ; also the locations of common sewers.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases, and the number of nuisances abated in these several districts, and is continued in the following tables, and in the table near the beginning of this report.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city ; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

The number of dwellings and of assessed polls, May 1, 1898, has been obtained from the assessors' books.

TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST TEN YEARS.

| Districts . . . . .                                  | I.                |                 | II.               |                 | III.              |                 | IV.               |                 | V.                |                 | VI.               |                 | VII.              |                 | VIII.             |                 | IX.               |                 | X.                |                 | Entire City.      |                 |
|--|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|
|  | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. | Number of Deaths. | Rate per 1,000. |
| Area . . . . .                                       | 337 A.            |                 | 107 A.            |                 | 93 A.             |                 | 171 A.            |                 | 361 A.            |                 | 285 A.            |                 | 194 A.            |                 | 482 A.            |                 | 174 A.            |                 | 456 A.            |                 | 2,660 A.          |                 |
| In 1898.   | 7,431             |                 | 5,891             |                 | 5,023             |                 | 5,928             |                 | 11,555            |                 | 6,408             |                 | 7,044             |                 | 3,210             |                 | 4,292             |                 | 3,158             |                 | 60,000            |                 |
|  | 1,067             |                 | 1,005             |                 | 818               |                 | 982               |                 | 2,080             |                 | 1,190             |                 | 1,230             |                 | 566               |                 | 804               |                 | 666               |                 | 10,408            |                 |
|  | 6.9               |                 | 5.8               |                 | 6.1               |                 | 6.1               |                 | 5.5               |                 | 5.5               |                 | 5.9               |                 | 5.7               |                 | 5.4               |                 | 4.8               |                 | 5.8               |                 |
| YEAR.  |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |
| 1889 . . . . .                                       | 125               | 16              | 67                | 9               | 48                | 17              | 85                | 17              | 105               | 14              | 28                | 17              | 62                | 15              | 19                | 15              | 26                | 12              | 17                | 17              | 582               | 15              |
| 1890 . . . . .                                       | 140               | 19              | 69                | 9               | 48                | 17              | 94                | 19              | 139               | 18              | 46                | 27              | 59                | 14              | 27                | 22              | 26                | 12              | 15                | 15              | 663               | 16              |
| 1891 . . . . .                                       | 169               | 22              | 71                | 9               | 68                | 23              | 103               | 20              | 120               | 15              | 75                | 42              | 77                | 17              | 33                | 25              | 33                | 14              | 12                | 12              | 761               | 18              |
| 1892 . . . . .                                       | 139               | 17              | 75                | 9               | 42                | 13              | 76                | 14              | 144               | 16              | 65                | 34              | 59                | 12              | 27                | 19              | 44                | 17              | 25                | 22              | 696               | 16              |
| 1893 . . . . .                                       | 161               | 18              | 80                | 9               | 63                | 16              | 94                | 16              | 180               | 20              | 64                | 20              | 72                | 14              | 23                | 13              | 26                | 9               | 27                | 18              | 790               | 15              |
| 1894 . . . . .                                       | 157               | 22              | 66                | 12              | 86                | 19              | 117               | 21              | 188               | 18              | 70                | 13              | 64                | 10              | 43                | 17              | 37                | 10              | 27                | 11              | 855               | 16              |
| 1895 . . . . .                                       | 136               | 19              | 76                | 14              | 91                | 20              | 94                | 17              | 184               | 17              | 77                | 15              | 67                | 16              | 29                | 12              | 29                | 8               | 40                | 17              | 823               | 16              |
| 1896 . . . . .                                       | 155               | 22              | 94                | 18              | 77                | 17              | 105               | 19              | 180               | 16              | 97                | 16              | 82                | 13              | 46                | 16              | 36                | 9               | 52                | 21              | 924               | 17              |
| 1897 . . . . .                                       | 158               | 22              | 80                | 15              | 80                | 16              | 88                | 17              | 170               | 15              | 93                | 15              | 68                | 12              | 40                | 14              | 29                | 8               | 53                | 18              | 859               | 15              |
| 1898 . . . . .                                       | 161               | 23              | 67                | 13              | 79                | 16              | 17                | 17              | 194               | 18              | 92                | 15              | 93                | 14              | 28                | 9               | 50                | 12              | 28                | 9               | 880               | 15              |
| Average death rate per 1,000 for ten years . . . . . |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |                   |                 |
|  |                   | 20              |                   | 12              |                   | 17              |                   | 18              |                   | 17              |                   | 21              |                   | 14              |                   | 16              |                   | 11              |                   | 16              |                   | 16              |



TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH  
IN SOMERVILLE IN 1898 WITH THE NUMBER AND RATE  
IN EACH DISTRICT.

| DISTRICTS.      | PNEUMONIA.        |                          | HEART DISEASE.    |                          | PHTHISIS.         |                          | CHOLERA INFANTUM. |                          | MENINGITIS.       |                          |
|-----------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|
|                 | Number of Deaths. | Number per 1,000 of Pop. | Number of Deaths. | Number per 1,000 of Pop. | Number of Deaths. | Number per 1,000 of Pop. | Number of Deaths. | Number per 1,000 of Pop. | Number of Deaths. | Number per 1,000 of Pop. |
| I. . . . .      | 19                | 2.56                     | 6                 | 0.81                     | 15                | 2.02                     | 16                | 2.15                     | 10                | 1.35                     |
| II. . . . .     | 7                 | 1.19                     | 8                 | 1.36                     | 6                 | 1.02                     | 3                 | 0.51                     | 3                 | 0.51                     |
| III. . . . .    | 7                 | 1.39                     | 3                 | 0.60                     | 7                 | 1.39                     | 7                 | 1.39                     | 5                 | 0.99                     |
| IV. . . . .     | 6                 | 1.01                     | 5                 | 0.84                     | 10                | 1.69                     | 4                 | 0.67                     | 10                | 1.69                     |
| V. . . . .      | 17                | 1.47                     | 18                | 1.56                     | 12                | 1.04                     | 5                 | 0.43                     | 5                 | 0.43                     |
| VI. . . . .     | 7                 | 1.08                     | 4                 | 0.62                     | 7                 | 1.08                     | 8                 | 1.23                     | 4                 | 0.62                     |
| VII. . . . .    | 4                 | 0.57                     | 10                | 1.40                     | 6                 | 0.85                     | 3                 | 0.43                     | 2                 | 0.28                     |
| VIII. . . . .   | 4                 | 1.25                     | 4                 | 1.25                     | 2                 | 0.62                     | . . .             | . . .                    | 1                 | 0.31                     |
| IX. . . . .     | 5                 | 1.16                     | 10                | 2.33                     | 4                 | 0.93                     | 3                 | 0.70                     | 2                 | 0.47                     |
| X. . . . .      | 3                 | 0.95                     | 3                 | 0.95                     | 1                 | 0.32                     | 2                 | 0.63                     | 1                 | 0.32                     |
| Total . . . . . | 79                | 1.32                     | 71                | 1.18                     | 70                | 1.17                     | 51                | 0.85                     | 43                | 0.72                     |

TABLE OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID  
FEVER IN EACH DISTRICT IN 1898.

| DISTRICTS.      | SCARLET FEVER.  |         |                         |                          | DIPHTHERIA.     |         |                         |                          | TYPHOID FEVER.  |         |                         |                          |
|-----------------|-----------------|---------|-------------------------|--------------------------|-----------------|---------|-------------------------|--------------------------|-----------------|---------|-------------------------|--------------------------|
|                 | Cases Reported. | Deaths. | Cases per 1,000 of Pop. | Deaths per 1,000 of Pop. | Cases Reported. | Deaths. | Cases per 1,000 of Pop. | Deaths per 1,000 of Pop. | Cases Reported. | Deaths. | Cases per 1,000 of Pop. | Deaths per 1,000 of Pop. |
| I. . . . .      | 10              | . .     | 1.35                    | . . .                    | 8               | 1       | 1.08                    | 0.13                     | 3               | . .     | 0.40                    | . . .                    |
| II. . . . .     | 5               | . .     | 0.85                    | . . .                    | 8               | 1       | 1.36                    | 0.17                     | 6               | 2       | 1.02                    | 0.34                     |
| III. . . . .    | 7               | . .     | 1.39                    | . . .                    | 11              | 3       | 2.19                    | 0.60                     | 2               | 2       | 0.36                    | 0.36                     |
| IV. . . . .     | 10              | . .     | 1.69                    | . . .                    | 6               | . .     | 1.01                    | . . .                    | 5               | . .     | 0.84                    | . . .                    |
| V. . . . .      | 16              | . .     | 1.38                    | . . .                    | 8               | . .     | 0.69                    | . . .                    | 12              | 2       | 1.04                    | 0.17                     |
| VI. . . . .     | 6               | . .     | 0.93                    | . . .                    | 7               | 1       | 1.08                    | 0.15                     | 5               | . .     | 0.77                    | . . .                    |
| VII. . . . .    | 8               | . .     | 1.14                    | . . .                    | 17              | 3       | 2.41                    | 0.43                     | 6               | 3       | 0.85                    | 0.43                     |
| VIII. . . . .   | 9               | . .     | 2.80                    | . . .                    | 4               | . .     | 1.25                    | . . .                    | 2               | 1       | 0.62                    | 0.31                     |
| IX. . . . .     | 3               | . .     | 0.70                    | . . .                    | 4               | . .     | 0.93                    | . . .                    | 7               | 1       | 1.63                    | 0.23                     |
| X. . . . .      | 6               | . .     | 1.90                    | . . .                    | 1               | 1       | 0.32                    | 0.32                     | 6               | . .     | 1.90                    | . . .                    |
| Total . . . . . | 80              | . .     | 1.33                    | . . .                    | 74              | 10      | 1.23                    | 0.17                     | 54              | 11      | 0.90                    | 0.18                     |

RATES PER THOUSAND OF POPULATION OF CASES OF SCARLET FEVER, DIPHTHERIA AND  
TYPHOID FEVER REPORTED, AND OF DEATHS FROM THE SAME, IN THE LAST SEVEN YEARS.

| Districts.     | 1892.          |             |                | 1893.          |             |                | 1894.          |             |                | 1895.          |             |                | 1896.          |             |                | 1897.          |             |                | 1898.          |             |                | Average for<br>Seven Yrs. |             |                |
|----------------|----------------|-------------|----------------|----------------|-------------|----------------|----------------|-------------|----------------|----------------|-------------|----------------|----------------|-------------|----------------|----------------|-------------|----------------|----------------|-------------|----------------|---------------------------|-------------|----------------|
|                | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever. | Diphtheria. | Typhoid Fever. | Scarlet Fever.            | Diphtheria. | Typhoid Fever. |
| I. . . . .     | 6.43           | 0.83        | 0.95           | 8.86           | 1.13        | 1.36           | 13.98          | 1.44        | 1.15           | 4.47           | 5.19        | 0.86           | 1.12           | 11.96       | 1.40           | 4.29           | 8.74        | 1.39           | 1.35           | 1.08        | 0.40           | 5.79                      | 4.34        | 1.07           |
| Deaths . . . . | 0.36           | 0.12        | 0.12           | 0.57           | 0.23        | 0.11           | 2.73           | 0.57        | 0.14           | 0.86           | 1.04        | . .            | 0.28           | 2.25        | . .            | 0.28           | 1.53        | 0.42           | . .            | 0.13        | . .            | 0.73                      | 0.84        | 0.11           |
| II. . . . .    | 9.75           | 0.49        | 0.37           | 4.07           | 0.93        | 1.04           | 4.45           | 1.30        | 0.74           | 2.10           | 4.27        | 1.86           | 0.72           | 10.73       | 1.61           | 3.36           | 7.07        | 0.53           | 0.85           | 1.36        | 1.02           | 3.61                      | 3.74        | 1.02           |
| Deaths . . . . | 0.37           | 0.24        | . .            | . .            | 0.23        | 0.47           | . .            | 0.18        | 0.18           | 0.19           | 1.11        | 0.74           | . .            | 1.25        | 0.72           | 0.18           | 0.53        | 0.36           | . .            | 0.17        | 0.34           | 0.11                      | 0.53        | 1.40           |
| III. . . . .   | 11.38          | 1.89        | 0.95           | 9.58           | 0.79        | 1.59           | 11.98          | 4.44        | 1.33           | 5.32           | 7.77        | 1.33           | 1.49           | 5.97        | 1.07           | 3.77           | 6.27        | 0.42           | 1.39           | 2.19        | 0.36           | 6.42                      | 4.19        | 1.01           |
| Deaths . . . . | 0.63           | 0.95        | 0.31           | 0.53           | 0.27        | . .            | 1.99           | 1.33        | . .            | 0.22           | 0.66        | . .            | . .            | 0.21        | 0.43           | 0.21           | 1.05        | . .            | . .            | 0.60        | 0.36           | 0.51                      | 0.72        | 0.16           |
| IV. . . . .    | 5.19           | 0.89        | 0.36           | 5.70           | 0.35        | 0.34           | 14.37          | 3.73        | 0.74           | 5.41           | 5.60        | 1.49           | 2.14           | 7.32        | 1.97           | 3.34           | 3.51        | 1.04           | 1.69           | 1.01        | 0.84           | 5.41                      | 3.20        | 0.97           |
| Deaths . . . . | 0.36           | 0.18        | . .            | 0.86           | . .         | 0.17           | 2.24           | 1.49        | 0.18           | 0.74           | 1.68        | 0.37           | . .            | 1.25        | 0.36           | . .            | 0.71        | 1.17           | . .            | . .         | . .            | 0.60                      | 0.76        | 0.18           |
| V. . . . .     | 7.78           | 1.02        | 3.83           | 5.47           | 1.13        | 1.71           | 5.75           | 2.49        | 1.34           | 4.13           | 6.05        | 0.48           | 2.24           | 6.09        | 1.16           | 1.42           | 3.27        | 0.62           | 1.38           | 0.69        | 1.04           | 4.02                      | 2.96        | 1.45           |
| Deaths . . . . | 0.34           | 0.11        | 0.56           | 0.11           | 0.23        | 0.57           | 0.38           | 0.67        | 0.38           | 0.09           | 1.25        | 0.29           | . .            | 0.72        | 0.72           | 0.09           | 0.35        | 0.18           | . .            | . .         | 0.17           | 0.14                      | 0.48        | 0.41           |
| VI. . . . .    | 14.57          | 2.08        | 4.16           | 6.26           | 1.56        | 1.25           | 9.85           | 0.94        | 0.94           | 3.03           | 2.08        | 0.57           | 2.84           | 7.18        | 1.00           | 2.71           | 7.05        | 0.95           | 0.93           | 1.08        | 0.77           | 5.74                      | 3.14        | 1.38           |
| Deaths . . . . | . . . .        | . . . .     | 0.52           | 0.62           | 0.31        | . .            | 0.75           | . .         | 0.18           | 0.19           | 0.38        | . .            | . .            | 0.67        | . .            | 0.17           | 0.95        | 0.17           | . .            | 0.15        | . .            | 0.25                      | 0.35        | 0.12           |
| VII. . . . .   | 9.17           | . .         | 1.46           | 4.59           | 1.39        | 0.79           | 4.69           | . .         | 0.62           | 2.81           | 3.44        | 1.09           | 3.45           | 6.87        | 1.05           | 2.01           | 7.55        | 1.02           | 1.14           | 2.41        | 0.85           | 3.98                      | 3.09        | 0.98           |
| Deaths . . . . | 0.21           | . .         | 0.21           | 0.19           | 0.19        | 0.19           | 0.15           | . .         | 0.31           | 0.31           | 0.31        | . .            | 0.15           | 0.75        | 0.45           | . .            | 0.88        | 0.14           | . .            | 0.43        | 0.43           | 0.14                      | 0.37        | 0.25           |
| VIII. . . . .  | 4.56           | 0.71        | . .            | 5.68           | 1.13        | 1.70           | 8.23           | 4.56        | 0.82           | 4.52           | 2.49        | 1.66           | 8.44           | 11.00       | 2.93           | 4.51           | 4.19        | 1.61           | 2.80           | 1.25        | 0.62           | 5.60                      | 3.62        | 1.33           |
| Deaths . . . . | . . . .        | . . . .     | 0.57           | 0.41           | 0.82        | 0.41           | . . . .        | . . . .     | . . . .        | . . . .        | . . . .     | . . . .        | 0.38           | 1.83        | 1.10           | . . . .        | 0.64        | 0.32           | . . . .        | 0.31        | 0.19           | 0.47                      | 0.40        | . .            |
| IX. . . . .    | 7.79           | 0.78        | 2.73           | 5.59           | 1.75        | 2.73           | 6.35           | 1.38        | 1.92           | 2.77           | 2.49        | 1.65           | 1.77           | 3.54        | 2.78           | 1.69           | 4.56        | 0.72           | 0.70           | 0.93        | 1.63           | 3.81                      | 2.20        | 2.02           |
| Deaths . . . . | . . . .        | . . . .     | 0.78           | . . . .        | . . . .     | . . . .        | 0.27           | . . . .     | 0.55           | . . . .        | 0.28        | 0.28           | 0.25           | . . . .     | 0.51           | . . . .        | 0.28        | . . . .        | . . . .        | . . . .     | 0.23           | 0.07                      | 0.08        | 0.34           |
| X. . . . .     | 3.59           | 0.90        | 1.80           | 8.89           | 2.73        | . .            | 6.49           | 2.59        | 1.73           | 8.23           | 4.76        | 2.60           | 6.43           | 6.03        | 3.22           | 1.04           | 2.43        | 0.36           | 1.90           | 0.32        | 1.90           | 5.22                      | 2.82        | 1.66           |
| Deaths . . . . | . . . .        | . . . .     | . . . .        | 1.36           | 1.37        | . .            | . . . .        | . . . .     | . . . .        | 0.43           | . . . .     | . . . .        | . . . .        | . . . .     | 0.81           | . . . .        | 0.69        | . . . .        | . . . .        | 0.32        | . . . .        | 0.26                      | 0.40        | 0.12           |
| City . . . . . | 8.06           | 0.85        | 1.61           | 6.28           | 1.12        | 1.18           | 8.59           | 2.09        | 1.10           | 4.12           | 4.68        | 1.16           | 2.53           | 7.68        | 1.57           | 2.72           | 5.51        | 0.86           | 1.33           | 1.23        | 0.90           | 4.80                      | 3.31        | 1.20           |
| Deaths . . . . | 0.30           | 0.17        | 0.24           | 0.38           | 0.22        | 0.26           | 0.96           | 0.53        | 0.24           | 0.32           | 0.81        | 0.19           | 0.09           | 0.96        | 0.46           | 0.11           | 0.76        | 0.19           | . . . .        | 0.17        | 0.18           | 0.31                      | 0.52        | 0.25           |

## UNDERTAKERS.

The duty of issuing licenses to undertakers has, by Section 7, Chapter 437, Acts of 1897, been transferred to Boards of Health.

[Acts of 1897, Chapter 437, Section 7.]

“Section 7. The boards of health of cities and towns shall, on or before the first day of May in each year, license a suitable number of undertakers who can read and write the English language, to take charge of the funeral rites preliminary to the interment, removal, or cremation of a human body. Such licenses shall be issued under such terms and upon such conditions as the board of health may prescribe, and may be revoked at any time by the board when such terms or conditions or any requirements of law relative thereto have been violated by the undertaker ; provided, however, that an undertaker so licensed shall have the right to act thereunder in any city or town in the Commonwealth.”

Under the above law, sixteen undertakers received license.

## REGULATIONS.

The following is a revision of the regulations of this Board, made during the past year.

### REGULATIONS OF THE BOARD OF HEALTH.

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IN BOARD OF HEALTH, CITY OF SOMERVILLE,

May 2, 1898.

WHEREAS, It is the opinion of the Board of Health of the city of Somerville, and it does hereby adjudicate, that the following regulations are necessary for the public health and safety, respecting nuisances, sources of filth, and causes of sickness, and for the suppression and the prevention of the spread of contagious diseases among domestic animals within the city of Somerville ; now therefore it is

*Ordered*, That the following regulations, designated, respectively, as Chapters I. to XV., both inclusive, be and hereby are made and adopted, and all regulations previously adopted by this Board are hereby repealed.

#### CHAPTER I.

##### CONTAGIOUS DISEASES.

SECTION 1. *Diseases adjudged dangerous to Public Health.* — It is adjudged that the diseases known as smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, typhoid fever, and cholera, are infectious, or contagious, and dangerous to the public health and safety, and may easily be contracted from persons or apartments, or at funerals from dead bodies which may have been infected by such diseases, and that the following provisions of this chapter are necessary for the public health and safety in regard to said diseases.



SECT. 2. *Householder to give Notice.*—When a householder knows that a person within his family or house is sick of smallpox, scarlet fever, diphtheria, membranous croup, measles, typhus fever, typhoid fever, or cholera, he shall immediately give notice thereof to the Board of Health.

SECT. 3. *Physician to give Notice.*—When a physician knows that a person whom he is called to visit is infected with smallpox, scarlet fever, diphtheria, membranous croup, measles, typhus fever, typhoid fever, or cholera, he shall immediately give notice thereof to the Board of Health.

SECT. 4. *Pupils and others not to attend or visit School.*—No pupil or other person shall attend or visit any school in the city while any member of the household to which such pupil or other person belongs, or any occupant of the dwelling in which he or she resides, is sick of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, or during a period of two weeks after the death, recovery, or removal of such sick person; and any pupil coming from such household shall be required to present to the teacher of the school which such pupil desires to attend, a certificate from the attending physician or Board of Health of the facts necessary to entitle him or her to admission, in accordance with this regulation.

SECT. 5. *Person who has visited Dwelling not to attend or visit School.*—No person who has visited a dwelling in which there was at the time a case of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, shall attend or visit any school in the city until after the expiration of two weeks from the time when such visit was made.

SECT. 6. *Dwelling to be labelled.*—Every dwelling where a case of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera is known to exist shall be immediately conspicuously labelled at its entrance with a card bearing the name of the disease there existing, such card there to remain until removed by said Board, or its agent, or by permission of said Board. The Board of Health may, in special cases, permit such card to be placed upon interior apartments only.

SECT. 7. *Label not to be removed or Persons to visit Dwelling.*—No person shall, without permission from the

Board of Health, remove from any dwelling in said city any card affixed thereto by said Board, or its agent, or any other person, indicating that either of the diseases mentioned in the preceding section exists in said dwelling ; nor shall any person obliterate or deface such card ; nor shall the occupant of any dwelling to which such card may be affixed permit the same to be removed, obliterated, or defaced without immediately notifying said Board ; nor shall any person, except members of the immediate family occupying the same, and those whose business calls them there, visit, or be permitted by the householder, or any other occupant thereof, to visit, a dwelling labelled with a card as aforesaid, without the written permission of said Board.

SECT. 8. *Property not to be removed, or Residence changed, or Library Books taken.* — No person shall remove or permit to be removed from any house or apartment upon which a card has been placed, as provided in section three, any clothing, books, or other property without a permit from the Board of Health ; nor after a house is established or considered as a hospital under the provisions of chapter eighty of the Public Statutes, shall any occupant of such house take up a residence elsewhere without such permit. No public or circulating library book shall be taken into any house or apartment whereon a card has been placed, as provided in section six, before the authorized removal of said card.

SECT. 9. *No public Funeral.* — No public funeral, and no funeral attended by persons other than members, occupying the dwelling in which the funeral is held, of the immediate family of which the deceased was a member, or those whose business calls them there, shall be held over the remains of any person having died of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, except by written consent of the Board of Health, and under such regulations as said Board may prescribe ; and every householder, undertaker, or other person who shall attend or permit any funeral held in violation of the foregoing provisions of this section shall be liable to the penalty provided by law for violation of any regulation of the Board of Health. No person, except members of the immediate family of which the deceased was a member, and those whose business

calls them there, shall, without the written permission of said Board, be admitted to the house where such death has occurred until after the interment has taken place and the premises have been fumigated.

SECT. 10. *Undertaker to prepare Body and notify Board of Health, and Burial to be made immediately.* — In case of any person dying of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, the undertaker, his assistant or agent, shall immediately, upon the death of such person, or immediately upon his being notified of the death or called upon to perform any services, wrap the entire body, including the face, in a sheet saturated with a solution of one fifth of one per cent. of bichloride of mercury, and shall immediately place it in a tight coffin or casket, which shall be securely fastened and the lid thereof sealed in two places with sealing wax; and such coffin or casket shall not thereafter be opened by any person without the written permission of the Board of Health. He shall notify the Board of Health, or its agent, of the time when the body is to be removed, and shall sign a certificate, containing a true statement of the facts, that he has complied with the foregoing provisions of this section, and shall make oath to the truth of such certificate; and he, and every other person having charge or custody or the right of disposal of the body, shall cause the burial to take place immediately, and in all cases within not more than eight hours after the time of death, unless further time shall be allowed by the said Board of Health. No permit either for the burial or removal of the body shall be issued until such sworn certificate is filed with the clerk of the Board of Health, who shall thereupon, for and in behalf of said Board, certify on such permit as follows: —

Satisfactory evidence having been furnished, it is hereby certified that the body has been so encased and prepared as to preclude any danger of communicating the disease (here state disease) to others by its transportation.

Board of Health of Somerville,

by \_\_\_\_\_ Clerk.

Such body shall not be placed in a receiving tomb without permission therefor, in writing, from the Board of Health.



SECT. 11. *Patient or Body not to be carried in public Carriage.*—No owner, driver, or other person, having charge of any hackney carriage or other vehicle used as a public conveyance, shall receive, or permit to be placed, or convey in any manner, in or upon said carriage or other vehicle, any person sick or infected with smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, or the body of any person who has died of either of said diseases, except by written consent of the Board of Health and under such regulations as said Board may prescribe.

SECT. 12. *Dwelling not to be visited until fumigated.*—Upon the death, removal, or recovery of a person sick of smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, no person except members of the immediate family of which such sick person was a member, and those whose business calls them there, shall thereafter visit, or be permitted by the householder or any other occupant thereof to visit, the dwelling in which such person was sick as aforesaid, until such dwelling shall have been fumigated or disinfected by the Board of Health, or its agent, or to their or his satisfaction.

SECT. 13. *Permit for Burial beyond City Limits.*—In all cases of death from any disease named in section nine, where burial is contemplated beyond the city limits, the undertaker shall apply at once for the necessary permit and certificate, and remove the body immediately from the city.

SECT. 14. *Certificate to be shown when conveying Body through City.*—All undertakers or persons in charge of the remains of any person passing through the city shall, whenever requested, exhibit the certificate required by chapter 437, section six, of the acts of 1897.

## CHAPTER II.

### DEPTH OF GRAVES AND HOURS FOR BURIAL.

SECTION 1. *Depth of Graves.*—No person shall inter or cause to be interred the body of any dead person in a grave less than three feet deep from the surface of the ground surrounding the grave to the top of the coffin.



SECT. 2. *Hours for Burial.*—No person shall bury or inter, or cause to be buried or interred, the body of any dead person at any other time of the day than between sunrise and sunset, except in accordance with a permit from the Board of Health. No person shall open a grave or remove the body of a dead person or its remains from a grave or tomb, except in accordance with a permit from the Board of Health.

### CHAPTER III.

#### STABLES AND THE REMOVAL OF MANURE.

SECTION 1. *Construction of New Stables.*—Every stable hereafter erected in this city shall have a manure pit constructed of brick or stone, laid in cement, with a concrete floor at least three inches thick, and so situated as to allow the manure to be loaded inside the stable. The drainage, lighting, ventilation, air space, and water supply of such stable shall be satisfactory to this Board.

SECT. 2. *Washing of Carriages and Horses, care of Stables and Yards, and accumulation of Manure.*—The owners or occupants of livery or other stables within the city of Somerville shall not wash or clean carriages or horses, or cause them to be washed or cleaned, in the streets or public ways; they shall keep their stables and stable yards clean, and not allow more than two cords of manure to accumulate upon their premises at any one time, and no manure shall be allowed to accumulate or remain uncovered outside of the stable building. No cow manure shall be kept except in a properly drained stable or barn cellar, and no more than one cord shall be allowed to accumulate.

SECT. 3. *Removal of Manure at certain times, without Permit prohibited.*—No person shall remove any manure, or cause or suffer the same to be removed, between the first day of May and the first day of November, except between twelve o'clock at night and two hours after sunrise, without a written permit from the Board of Health.

SECT. 4. *Manner of removing Manure.*—No manure shall be removed or carried through the streets of this city except in a tight canvas-covered vehicle, with the covering so

secured to the sides and ends of the vehicle as to prevent the manure in process of removal from being dropped or left in any street or way of the city. No manure shall be loaded into a vehicle in or upon any street, lane, or passageway, nor upon or across any sidewalk, without a written permit from the Board of Health, and all the conditions of such permit shall be strictly complied with.

#### CHAPTER IV.

##### PRIVY-VAULTS, CESSPOOLS, AND DRAINS.

SECTION 1. *Buildings to be connected with Sewer.*—Every building situated on a public or private street, court, or passageway in this city, in which there is a public sewer, is hereby required by this Board to be connected by a good and sufficient particular drain with such public sewer.

SECT. 2. *Privy-vault not to be connected with Sewer.*—No privy-vault shall be connected with the common sewer by a drain constructed to carry off the liquid contents thereof.

SECT. 3. *Sluice-vaults without proper flush of Water prohibited.*—No sluice-vault, so called, or any form of so-called water-closets, having no flush of water applied at the time of using, shall be constructed on any premises in this city.

SECT. 4. *Privy-vaults not to be constructed without Permit.*—No person shall hereafter construct or establish a privy-vault in this city except by written consent of the Board of Health, and in accordance with such regulations as to materials, manner of construction, location upon lot, and otherwise, as the said Board shall prescribe.

SECT. 5. *Water-closets, Vaults, Privies, Cesspools, and Drains to be cleansed.*—Whenever a water-closet, vault, privy, cesspool, or drain becomes offensive or obstructed, the same shall be cleansed and made free, and the owner, agent, occupant, or other person having charge of the premises on which any water-closet, vault, privy, or drain is situated, shall remove, cleanse, alter, amend, or repair the same within such time after notice in writing to that effect, given by the Board of Health, as shall be expressed in such notice.

SECT. 6. *Not to be emptied except as authorized by the Board of Health.*—No privy-vault or cesspool shall be emptied

except by such parties, in such manner, and at such time as shall be specially authorized by the Board of Health. The owner, agent, or occupant of the premises where any privy-vault or cesspool may be situated shall always be liable for the expense of emptying the same.

SECT. 7. *Carting of Night-soil or other offensive Matter through Streets.*—No person, unless specially authorized by the Board of Health, shall drive any cart or other vehicle containing or used for conveying night-soil or other offensive matter in any street of the city between the hours of 4 A. M. and 10 P. M. during the months of April, May, June, July, August, and September; nor between the hours of 5 A. M. and 9 P. M. during the months of October, November, December, January, February, and March; provided, however, that this regulation shall not be understood to conflict with the regulations of this Board concerning “Stables and the Removal of Manure,” nor to restrict the removal or carting of night-soil in carts such as are used in making such removal by what is commonly known as the “Odorless” process, provided such removal be made or carting done without emitting offensive odors in the streets.

## CHAPTER V.

### CLEANLINESS OF HOUSES AND PREMISES.

SECTION 1. *Rubbish, etc., to be removed.*—Any person owning or occupying or having charge of any building or premises in or upon which is any dirt, sawdust, soot, ashes, cinders, shavings, hair, manure, oyster, clam, or lobster shells, waste or stagnant water, or any offensive animal or vegetable substance, rubbish or filth of any kind, shall, when ordered by the Board of Health, remove the same within such time as may be stated in the order.

SECT. 2. *Abutters to remove Filth, Rubbish, and stagnant Water from Private Ways.*—No owner or occupant of land abutting on a private street or passageway, and having the right to use such street or passageway, shall suffer any filth, rubbish, or waste or stagnant water to remain on that part of the street or passageway adjoining such land, but shall remove the same whenever ordered by the Board of Health.



SECT. 3. *Privies, Cesspools, etc., to be deodorized.*—The owners or occupants of premises in this city shall deodorize all privies, vaults, sluice-vaults, cesspools, grease traps, urinals, manure bins, stalls, garbage receptacles, or vessels of any nature used to contain or remove any offensive matter, whenever ordered so to do by the Board of Health.

SECT. 4. *Henneries, Dog Kennels, etc., to be kept clean.*—All henneries, dog kennels, and pens for any animals shall be kept clean and free from decaying food, and from filth of any kind. The buildings and pens shall be whitewashed or disinfected and put in such condition as may be ordered by the Board of Health.

## CHAPTER VI.

### HOUSE OFFAL.

SECTION 1. *How to be kept.*—All house offal and refuse, animal or vegetable substances, shall be placed in suitable water-tight vessels and kept in some convenient place to be removed by the persons duly authorized for that purpose by the Board of Health. Such vessels shall be kept covered and shall not be permitted to become offensive.

SECT. 2. *Not to be removed without Permit or Contract.*—No person shall remove or carry in or through any street, avenue, square, court, lane, place, or alley, within the city, any house offal, or any offensive animal or vegetable substance, unless employed or authorized so to do by the Board of Health, nor in any manner except such as authorized by said Board.

## CHAPTER VII.

### ASHES, RUBBISH, AND HOUSE DIRT.

SECTION 1. *Removal of, etc.*—Ashes, rubbish, and house dirt to be removed by the city shall be kept entirely free and apart from offal and filth of any kind, and shall be placed in barrels or other suitable vessels on the outer edge of the sidewalk, on such days and at such hours as the Board of Health shall from time to time designate, by notices left at the dwellings or otherwise.



SECT. 2. *Dumping of Ashes and Refuse Materials.* — No person owning or occupying any premises within the limits of the city of Somerville, and no city officer controlling or in charge of city premises, shall cause any ashes or refuse material to be placed thereon, or shall allow such premises to be used as a public dump for ashes, refuse, or other material without a permit from the Board of Health, and only in accordance with such permit.

SECT. 3. *Filling of Premises with Waste, Ashes, or Rubbish.* — Any person owning or occupying any premises within this city, and desiring to fill such premises with dry waste, ashes, or rubbish, shall make written application to the Board of Health, describing the land and the filling material proposed and the sources from which he proposes to obtain the material.

## CHAPTER VIII.

### DEAD ANIMALS AND OFFENSIVE SUBSTANCES.

SECTION 1. *Not to be thrown upon Ground or into any Body of Water.* — No person shall throw or put into or upon any public or private way, enclosure or grounds, lot of land, dumping ground, flats, or body of water, any dead animal, oyster, clam, or lobster shells, slops, decayed vegetables, fish, refuse animal or vegetable matter, or other offensive substance whatsoever.

## CHAPTER IX.

### COLLECTING GREASE.

SECTION 1. *Permit for.* — No person shall collect or remove from any dwelling-house or other place in the city any grease, or refuse fatty matter, without first obtaining a permit so to do from the Board of Health, and in all respects complying with the conditions of such permit. All such permits shall expire on the first day of May, annually, and may be revoked at any time by the Board of Health; and no person shall receive such a permit without first paying to the clerk of said Board, for the use of the city, the sum of \$2.00.

## CHAPTER X.

## GOATS AND SWINE.

SECTION 1. *Permit to keep.* — No person shall keep a goat or swine within the limits of the city without first obtaining a permit so to do from the Board of Health, and in all respects complying with the conditions of such permit. All such permits shall expire on the first day of May, annually, and may be revoked at any time by the Board of Health; and no person shall receive such a permit without first paying to the clerk of said Board, for the use of the city, the sum of \$1.00 for each goat or swine to be kept.

## CHAPTER XI.

## COWS.

SECTION 1. *Permit to keep.* — No person shall keep or allow to be kept, within the limits of the city, in any building, or on any premises, of which he may be the owner, lessee, tenant, or occupant, more than one cow, without a written permit from the Board of Health. Every person keeping a cow shall cause the place where it is kept to be well ventilated and drained, and kept at all times in a cleanly and wholesome condition. Such permit may be revoked at any time when such revocation shall appear to the Board to be necessary for the public health and safety. All such permits shall expire on the first day of May annually.

## CHAPTER XII.

## OFFENSIVE TRADES, OCCUPATIONS, AND PRACTICES.

SECTION 1. *Exercise of offensive Trades or Employments.* — The Board of Health hereby prohibits the exercise of the following trades or employments, viz.: those of slaughtering animals, of rendering animal matter, of manufacturing fertilizers, of mixing or storing refuse animal or vegetable substances, of smoking fish or meat, of refining oils, of making egg dressing, varnish, glue, gas, water-gas, gasoline, or any burning fluid, within this city, except at the place or places where such trades or employments are now lawfully established or which may

hereafter be assigned by said Board ; such trades or employments being either nuisances, or hurtful to the inhabitants of said city, dangerous to the public health, attended by noisome and injurious odors, or otherwise injurious to the health of said inhabitants.

SECT. 2. *Curing and storage of Hides, Skins, and Horns.*—No green hides, skins, or horns, shall be cured or stored within the limits of this city, except in accordance with a permit from the Board of Health.

SECT. 3. *Old Rags, old Paper, or other Refuse in a Dwelling.*—No old rags, old papers, or other refuse material shall be brought into or allowed to remain within any building used as a dwelling, if gathered from any place outside such building.

SECT. 4. *Spitting in Street-Cars.*—The Board of Health hereby adjudges spitting in street-cars to be a public nuisance, source of filth, and cause of sickness, and prohibits such spitting upon the floor, platform, or any other part of any street-car.

## CHAPTER XIII.

### SUPPRESSION OF CONTAGIOUS DISEASES AMONG DOMESTIC ANIMALS.

SECTION 1. *Notice from Person suspecting or knowing of the existence of Disease.*—The written notice required by law to be given to this Board by persons having knowledge of, or good reason to suspect, the existence of any contagious disease among any species of domestic animals within the limits of this city, or that any domestic animal is affected with any such contagious disease, shall designate, as clearly as may be, the suspected animals, the ownership thereof, the disease with which the animals are suspected of being infected, and the locations where such animals are to be found.

SECT. 2. *Owner to isolate Animals and notify Board of Health.*—Every person owning or having control of cattle suspected of being infected with tuberculosis, or horses suspected of being affected with farcy or glanders, or any domestic animals suspected of being affected with any contagious disease, shall cause such animals to be isolated upon his own premises,



and shall at once notify the Board of Health in writing, giving a careful description of each animal and of the place of isolation, and no such animal shall thereafter be removed from the place of isolation or allowed to pass through any public or private street, way, or place, until after said animal has been inspected by the city inspector of animals and provisions, or by a veterinarian appointed by this Board.

SECT. 3. *Agent of Board of Health to cause Animals to be isolated.*— Whenever any agent duly appointed by this Board of Health finds any animal, within the limits of said city, suspected by him of having, or which in his judgment is infected with, any of the contagious diseases as follows, namely: glanders, farcy, contagious pleuro-pneumonia, tuberculosis, Texas fever, foot and mouth diseases, rinderpest, hog cholera, and rabies, such agent shall cause, in the name of this Board, such animal to be kept quarantined or isolated in such place (whether a portion of a building or other place) as he may designate, and may order that such animal shall be so kept isolated by the owner or the person or persons in possession of such animal, and at the cost of such owner or person or persons, and shall not be removed from the place so designated until discharged therefrom by an order of this Board, or its duly authorized agent, or an order issued by the State board of cattle commissioners or any of its members; and all persons are hereby forbidden to remove, or cause to be removed, said animal from the place or enclosure where it has been so quarantined or isolated; or to cause or allow said animal to pass from place to place within said city, or to be or remain in any place in said city, except the place designated as aforesaid; or to drive or transport, or to cause to be driven or transported, any animal contrary to the regulations aforesaid; or to cause or allow any other animal to come in contact with said quarantined animal or to enter the enclosure where such animal is confined.

SECT. 4. *Penalty for Violation.*— Any person disobeying any provision of this chapter or any order made by an agent of this Board of Health as aforesaid, or driving or transporting any animal contrary to the said regulations, shall be punished by a fine not exceeding five hundred dollars or imprisonment not exceeding one year.



## CHAPTER XIV.

## AGENTS.

SECTION 1. *Clerk*.—The clerk of this Board is hereby made its agent for the purpose of issuing burial permits as authorized by law and these regulations.

SECT. 2. *Inspector of Animals and Provisions*. The inspector of animals and provisions of this city is hereby made an agent of this Board for the purpose of performing the duties required of such agents by chapter thirteen of these regulations.

## CHAPTER XV.

## PENALTY.

SECTION 1. Whoever violates any of these regulations shall forfeit a sum not exceeding one hundred dollars, except when otherwise provided by law or by these regulations.

At a meeting held December 2, 1898, the Board passed the following regulation :—

## WALL DRAPERIES AT FUNERALS.

“The Board of Health hereby adjudges that the use of ‘Wall Draperies’ at funerals is a source of filth and cause of sickness, and hereby orders: That the use of such draperies in any room or place used for a funeral or for the preparation or retention of any human body before or in connection with such funeral be, and hereby is, forbidden.”

APPROPRIATION FOR HEALTH DEPARTMENT, AND  
EXPENDITURES THEREFROM.

## CREDIT.

|   |          |             |
|---|----------|-------------|
| Appropriation . . . . .   |          | \$20,000.00 |
| Town of Amesbury, partial<br>payment on account of care<br>of smallpox patient, 1897 .    | \$421.49 |             |
| County of Middlesex, partial<br>payment on account of care<br>of smallpox patient, 1897 . | 426.70   |             |
| Commonwealth of Massachu-<br>setts, on account of con-<br>tagious diseases . . . . .      | 87.73    |             |
| Sale of offal to Hannibal S.<br>Pond . . . . .  | 600.00   |             |
| Sale of horse . . . . .   | 25.00    |             |
| Permits to keep swine and<br>collect grease . . . . .                                     | 43.00    | 1,603.92    |
|   |          | <hr/>       |
| Total credit . . . . .  |          | \$21,603.92 |

## DEBIT.

## Expenditures : —

|   |             |
|---|-------------|
| For Agent's salary . . . . .  | \$ 1,200.00 |
| Salary of Superintendent of<br>collection of ashes and<br>offal . . . . . | 900.00      |
| Collecting ashes . . . . .  | 6,988.00    |
| Collecting offal . . . . .  | 10,778.00   |
| Burying dead animals . . . . .  | 68.50       |
| Stable expenses (including<br>repairs and lighting) . . . . .             | 667.67      |
| Hay and grain . . . . .   | 2,531.64    |
| Horse doctoring . . . . .   | 22.55       |
| Horseshoeing . . . . .  | 435.85      |

|                                  |                    |                    |
|----------------------------------|--------------------|--------------------|
| <i>Amounts carried forward .</i> | <i>\$23,592.21</i> | <i>\$21,603.92</i> |
|----------------------------------|--------------------|--------------------|

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .           | \$23,592.21 | \$21,603.92 |
| Harnesses and horse clothing . . . . .     | 296.62      |             |
| Wagons and sleds, and repairing same . . . | 194.30      |             |
| Vaccine virus . . . . .                    | 15.33       |             |
| Culture tubes . . . . .                    | 12.25       |             |
| New horses . . . . .                       | 230.00      |             |
| Tools, and repairing same .                | 60.29       |             |
| Books, stationery, etc. .                  | 113.50      |             |
| Incidentals . . . . .                      | 506.30      |             |
|  | <hr/>       |             |
| Total expenditure .                        |             | \$25,020.80 |
|  |             | <hr/>       |
| Amount overdrawn .                         |             | \$3,416.88  |
|  |             | <hr/>       |

ALLEN F. CARPENTER, *Chairman.*

ALVANO T. NICKERSON.

WILLIAM F. HOLMES, M. D.

*Board of Health.*





REPORT  
OF THE  
OVERSEERS OF THE POOR.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, February 8, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
**Sent down for concurrence.**

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 9, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## BOARD OF OVERSEERS OF THE POOR.

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Hon. ALBION A. PERRY, *Mayor, Chairman, ex officio.*

HERBERT E. MERRILL . . . . . Ward One.

EDWARD B. WEST, *President* . . . . . Ward Two.

EZRA D. SOUTHER to February 16, 1898 . . . . . Ward Three.

JAMES H. BUTLER from March 23, 1898 . . . . . Ward Three.

ALBERT W. EDMANDS . . . . . Ward Four.

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### COMMITTEES.

ON INVESTIGATION AND RELIEF.—Mr. West and Mr. Merrill.

ON FINANCE.—Mr. Edmands, Mr. Souther, and Mr. Butler.

CHARLES C. FOLSOM, *General Agent.*

CORA F. LEWIS, *Secretary.*

WILLIAM F. HOLMES, M. D., *City Physician.*

*Office, City Hall Annex, Highland avenue.*





## CITY OF SOMERVILLE.

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OFFICE OF THE OVERSEERS OF THE POOR.

CITY HALL ANNEX, December 31, 1898.

TO HIS HONOR, THE MAYOR, AND CITY COUNCIL, CITY OF  
SOMERVILLE.

*Gentlemen:* — In accordance with our usual custom and the requirements of law, we submit our annual report for the year 1898.

The City Council appropriated for the use of this department, \$20,000.00. This amount was not sufficient, and later on a transfer of some \$3,000.00 was made to our account.

We paid the Somerville Hospital over \$3,000.00 during the year; about one half of this amount, however, has been, or will be collected from friends, towns, cities, and the State. This money we considered well expended, as it aided the Hospital in its work and enabled some poor persons to have hospital treatment, who otherwise would not have been so favored. We believe this plan, which has been in operation for the last year and a half, to be the very best possible under the circumstances, notwithstanding the fact that it costs the city some money and makes considerable extra work for this department.

### MEMBERSHIP.

The membership of the Board is the same as last year, with the exception of that from Ward 3. Ezra D. Souther, who had been a very faithful, conscientious and helpful member since November, 1894, died early in the year. He had endeared himself to all of the members, and all who associated with him in the work felt that they had lost a friend. James H. Butler was elected to fill the vacancy. Edward B. West, who

has been a member of the Board for ten years, has been its president for the last four and one-half years, and still holds that position. The general agent and secretary are the same as in 1897.

#### TEMPORARY AID.

There was a slight falling off in the number of families and the total number of persons aided during 1898. We account for this in two ways: First, fewer persons were out of work, owing to the general improvement in business. Second, owing to the fact that, by arrangement with the Highway Department, men in the families that were aided were required to work in part pay for the aid received.

#### FULL SUPPORT.

The number of persons who are boarded at the city's expense in almshouses of other cities and towns and in private families has decreased slightly. Several have died within a few weeks. We now have in almshouses, 13; in private families, 12. We average about 10 sick persons in hospitals for whom the city pays. Those in the Somerville Hospital are paid for at the rate of \$8.00 per week; in other hospitals the price varies from \$7.00 to \$10.00 per week. We charge other cities and towns the same as we pay the Hospital, except the city of Boston. Boston charges us \$7.00 per week, and we charge that city the same. Those treated in our hospital, who are "State cases," are paid for at the same rate, viz.: \$8.00 per week; but in these cases the law allows us to collect from the State only \$5.00 per week.

#### ALMSHOUSE.

The Overseers of the Poor wish to express their gratitude to His Honor, the Mayor, and City Council of 1898 for their practical work in securing the Russell estate for the use of this department for an almshouse. The buildings, we believe, can be arranged, with a small outlay, so that they will meet our requirements for several years to come. Although there has been some delay in consequence of a flaw in the title, we have faith to believe that a satisfactory way will be found out of the

difficulty, so that we may very soon take possession of the "Property" and move our poor people into our "City Home," where they belong and where we can look after them.

### INSANE.

We have six less insane persons for whose support the city is paying, than one year ago. The number varies from year to year. Some efforts were made last year, and we believe some progress was made, in the direction of "State Control and Support" of all insane cases. A "State Board of Insanity" was appointed by the Governor. This Board is to "report to the Legislature on or before the first Wednesday in January in the year nineteen hundred, such method, or methods, as in its opinion will most effectually provide for the care and the support of the insane poor who, under existing laws, are cared for by or supported at the expense of the cities and towns of the Commonwealth."

The following are extracts from the existing laws in reference to the commitment of the insane : —

P. S. — CHAP. 87. SECT. 13. No person shall be committed to an insane hospital, unless in addition to the oral testimony there has been filed with the judge a certificate signed by two physicians, each of whom is a graduate of some legally organized medical college, and has practised three years in the state, and neither of whom is connected with any hospital or other establishment for treatment of the insane. Each must have personally examined the person alleged to be insane within five days of signing the certificate ; and each shall certify that in his opinion said person is insane and a proper subject for treatment in an insane hospital, and shall specify the facts on which his opinion is founded. A copy of the certificate, attested by the judge, shall be delivered by the officer or other person making the commitment to the superintendent of the hospital or other place of commitment, and shall be filed and kept with the order.

SECT. 14. A person applying for the commitment or for the admission of an insane person to a state insane hospital, under the provisions of this chapter, shall first give notice in writing to the Overseers of the Poor, or their agent, of the place where the insane person resides, of his intention to make such application ; and satisfactory evidence that such notice has been given shall be produced to the judge in cases of commitment.



SECT. 25. When the state board has reason to believe that any insane person, not incurable, is deprived of proper remedial treatment, and is confined in an almshouse or other place, whether such insane person is a public charge or otherwise, it shall cause application to be made to a judge for the commitment of such person to a hospital in the manner herein prescribed.

SECT. 31. The price for the support, in state insane hospitals, of state, city, and town paupers, shall be three dollars and twenty-five cents a week for each person.

SECT. 32. The charges for the support of insane persons, not having known settlements in this state, shall be paid quarterly by the commonwealth; and the same may afterwards be recovered, by the treasurer of the commonwealth, of the insane persons themselves, if of sufficient ability to pay the same, or of any person or kindred bound by law to maintain them, or of the place of their settlement, if any such is ascertained; and the district-attorneys or other prosecuting officers shall bring actions therefor when requested.

SECT. 45. No pauper shall be discharged from a state hospital without suitable clothing; and the trustees may furnish the same at their discretion, together with such sum of money, not exceeding twenty dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such pauper insane persons as escape therefrom, and of burial of such as die in the hospitals, shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the commonwealth in the case of state paupers.

#### EXTRACTS FROM PAUPER LAWS.

P. S.—CHAP. 83. SECT. 1. *First.* A married woman shall follow and have the settlement of her husband, if he has any within the state; otherwise her own at the time of marriage, if she then had any, shall not be lost or suspended by the marriage.

*Second.* Legitimate children shall follow and have the settlement of their father, if he has any within the state, until they gain a settlement of their own; but if he has none, they shall in like manner follow and have the settlement of their mother, if she has any.

*Third.* Illegitimate children shall follow and have the settlement of their mother at the time of their birth, if she then has any within the state; but neither legitimate or illegitimate children shall gain a



settlement by birth in the place where they are born, if neither of their parents then has a settlement therein.

*Fourth.* Any person of the age of twenty-one years, having an estate of inheritance or freehold in any place within the state, and living on the same three years successively, shall thereby gain a settlement in such place.

*Fifth.* CHAP. 425. SECT. 1. ACTS OF 1898. Any person of the age of twenty-one years, who resides in any place within this state five years together, and within that time pays all state, county, city, or town taxes, duly assessed on his poll or estate, for any three years within that time, shall thereby gain a settlement in such place.

*Sixth.* Any woman of the age of twenty-one years, who resides in any place within this state for five years together, shall thereby gain a settlement in such place.

*Seventh.* The provisions of the preceding clause shall apply to married women who have not a settlement derived by marriage under the provisions of the first clause, and to widows; and a settlement thereunder shall be deemed to have been gained by an unsettled woman upon the completion of the term of residence therein mentioned, although the whole or a part of such term has already elapsed.

*Eighth.* Any person being chosen, and actually serving one whole year in the office of clerk, treasurer, selectman, overseer of the poor, assessor, constable, or collector of taxes, in any place, shall thereby gain a settlement therein. For this purpose, a year shall be considered as including the time between the choice of such officers at one annual meeting and the choice at the next annual meeting, whether more or less than a calendar year.

*Ninth.* Every settled ordained minister of the gospel shall be deemed to have acquired a legal settlement in the place wherein he is or may be settled as a minister.

*Tenth.* A minor who serves an apprenticeship to a lawful trade for the space of four years in any place, and actually sets up such trade therein within one year after the expiration of said term, being then twenty-one years old, and continues there to carry on the same for five years, shall thereby gain a settlement in such place; but being hired as a journeyman shall not be considered as setting up a trade.

*Eleventh.* Any person who was duly enlisted and mustered into the military or naval service of the United States, as a part of the quota of any city or town in this commonwealth, under any call of the President of the United States during the late civil war, or duly

assigned as a part of the quota thereof, after having been enlisted and mustered into said service, and who duly served for not less than one year, or died, or became disabled from wounds or disease received or contracted while engaged in such service, or while a prisoner in the hands of the enemy, and his wife or widow and minor children, shall be deemed thereby to have acquired a settlement in such place ; and any person who would otherwise be entitled to a settlement under this clause, but who was not a part of the quota of any city or town, shall, if he served as a part of the quota of the commonwealth, be deemed to have acquired a settlement in the place where he actually resided at the time of enlistment. But these provisions shall not apply to any person who was enlisted, and received a bounty for such enlistment in more than one place, unless the second enlistment was made after an honorable discharge from the first term of service, nor to any person who has been proved guilty of wilful desertion, or who left the service otherwise than by reason of disability, or an honorable discharge.

*Twelfth.* Upon the division of a city or town, every person having a legal settlement therein, but being absent at the time of such division, and not having acquired a legal settlement elsewhere, shall have his legal settlement in that place wherein his last dwelling-place or home happens to fall upon such division ; and when a new city or town is incorporated, composed of a part of one or more incorporated places, every person legally settled in the places of which such new city or town is so composed, and who actually dwells, and has his home within the bounds of such new city or town at the time of its incorporation, and any person duly qualified as provided in the eleventh clause of this section, who, at the time of his enlistment, dwelt and had his home within such bounds, shall thereby acquire a legal settlement in such new place ; but no person residing in that part of a place which upon such division is incorporated into a new city or town, and having then no legal settlement therein, shall acquire any by force of such incorporation only ; nor shall such incorporation prevent his acquiring a settlement therein within the time and by the means by which he would have gained it there if no such division had been made.

P. S. — CHAP. 83. SECT. 2. Nothing in the preceding section shall be construed to give to any person the right to acquire a settlement, or to be in process of acquiring a settlement, while receiving relief as a pauper, unless within five years from the time of receiving

such relief he reimburses the cost thereof to the city or town furnishing the same.

SECT. 3. No person who actually supports himself and his family shall be deemed to be a pauper by reason of the commitment of his wife, child, or other relative to an insane hospital or other institution of charity, reform, or correction by order of a court or magistrate, and of his inability to maintain such wife, child, or relative therein ; but nothing herein contained shall be construed to release him from liability for such maintenance.

SECT. 4. No person who has begun to acquire a settlement by the laws in force at and before the time when this chapter takes effect, in any of the ways in which any time is prescribed for a residence, or for the continuance or succession of any other act, shall be prevented or delayed by the provisions hereof ; but he shall acquire a settlement by a continuance or succession of the same residence or other act, in the same time and manner as if the former laws had continued in force.

SECT. 5. Except as hereinafter provided, every legal settlement shall continue till it is lost or defeated by acquiring a new one within this state ; and upon acquiring such new settlement all former settlements shall be defeated and lost.

P. S.—CHAP. 425. SECT. 2. ACTS OF 1898. All settlements not fully acquired subsequent to the first day of May in the year eighteen hundred and sixty are hereby defeated and declared to be lost, except where the existence of such settlement prevented a subsequent acquisition of settlement in the same place : *provided*, that whenever a settlement acquired by marriage has been thus defeated, the former settlement of the wife, if not defeated by the same provision, shall be thereby revived. All persons absent from the Commonwealth of Massachusetts for ten years in succession shall lose their settlement.

SECT. 3. The kindred of such poor persons, in the line of degree of father or grandfather, mother or grandmother, children or grandchildren, by consanguinity, living in this state and of sufficient ability, shall be bound to support such paupers in proportion to their respective ability, and hereafter the same legal obligation to support her pauper children shall rest upon the mother as now by law rests upon the father : *provided, however*, that the mother shall not be liable to criminal prosecution for the enforcement of such legal obligation.



SECT. 4. Any justice of the superior court sitting in equity in the county where any one of such kindred to be charged resides, upon complaint of any city, town, or kindred, who has been at expense for the relief and support of such pauper, may, on due hearing, assess and proportion thereto such sum as he shall deem reasonable for or towards the support of the pauper to the time of such assessment, and may enforce payment thereof by execution in common form: *provided*, that such assessment shall not extend to any expense for relief afforded more than two years previous to the filing of the complaint.

SECT. 5. A city or town may furnish aid to poor persons found therein, having no lawful settlement within the state, if the overseers of the poor deem it for the public interest; but, except in case of sickness, not for a greater amount than two dollars a week for each family during the months of May to September, inclusive, or three dollars a week for the months of October to April, inclusive, and the overseers shall, in every such case, give immediate notice by mail to the state board of lunacy and charity, which board shall examine the case, and should they direct discontinuance, shall remove such persons to the state almshouse or to any state or place where they belong, when the necessities of such persons or the public interest require such removal, and the superintendent of said almshouse shall receive the persons so removed thereto the same as though sent in accordance with the provisions of section twenty-one of chapter eighty-six of the Public Statutes, as amended by chapter eighty-four of the acts of the year eighteen hundred and ninety-one, and a detailed statement of expenses so incurred shall be rendered, and after approval by the state board of lunacy and charity, such expenses shall be paid from the state treasury.

This report, with accompanying tables, is respectfully submitted.

(Signed) ALBION A. PERRY, *Chairman, ex officio.*  
HERBERT E. MERRILL, Ward One.  
EDWARD B. WEST, *President*, Ward Two.  
EZRA D. SOUTHER, Ward Three.  
JAMES H. BUTLER, Ward Three.  
ALBERT W. EDMANDS, Ward Four.

*Board of Overseers of the Poor.*



**TABLE NO. 1.**

FULL SUPPORT (DURING THE YEAR).

|   |    |
|---|----|
| In Almshouses . . . . .                                 | 18 |
| In private families . . . . .                           | 25 |
| In hospitals for the sick . . . . .                     | 94 |
| In Massachusetts School for the Feeble-minded . . . . . | 4  |
| Insane persons in private families . . . . .            | 3  |
| Insane persons in hospitals . . . . .                   | 75 |

**TABLE NO. 2.**

FULL SUPPORT (AT PRESENT TIME, DECEMBER 31, 1898).

|   |    |
|---|----|
| In out-of-town almshouses . . . . .                     | 13 |
| In private families . . . . .                           | 12 |
| Insane in hospitals (we are reimbursed for 4) . . . . . | 58 |
| Insane in private families . . . . .                    | 3  |
| In hospitals, sane . . . . .                            | 3  |

**TABLE NO. 3.**

SOMERVILLE HOSPITAL.

|  |                   |
|--|-------------------|
| Cases on city's account . . . . .                          | 81                |
| Cases having settlement in Somerville . . . . .            | 28                |
| Cases having settlement in other cities or towns . . . . . | 23                |
| Cases having no settlement (chargeable to State) . . . . . | 30                |
| Money expended . . . . .                                   | \$3,134.76        |
| Amount to be reimbursed to the city . . . . .              | 1,580.05          |
| Net cost to the city . . . . .                             | <u>\$1,554.71</u> |

**TABLE NO. 4.**

PARTIAL SUPPORT (OUT-DOOR RELIEF).

|  |       |
|--|-------|
| Families aided . . . . .                     | 314   |
| Persons aided . . . . .                      | 1,274 |
| Burials . . . . .                            | 21    |
| Permits to the Tewksbury almshouse . . . . . | 5     |

TABLE NO. 5.

## RECAPITULATION.

|                              |             |
|------------------------------|-------------|
| Appropriation . . . . .      | \$20,000.00 |
| Reimbursements . . . . .     | 6,552.98    |
| <hr/>                        |             |
| Total receipts . . . . .     | \$26,552.98 |
| Total expenditures . . . . . | 28,522.21   |
| <hr/>                        |             |
| Account overdrawn . . . . .  | \$1,969.23  |
| Net expenditures . . . . .   | \$21,969.23 |

TABLE NO. 6.

## REIMBURSEMENTS.

|   |                   |
|---|-------------------|
| Commonwealth of Massachusetts . . . . . | \$2,233.49        |
| City of Boston . . . . .                | 1,208.66          |
| “ “ Cambridge . . . . .                 | 604.80            |
| “ “ Lowell . . . . .                    | 88.15             |
| “ “ Lynn . . . . .                      | 14.75             |
| “ “ Malden . . . . .                    | 68.30             |
| “ “ Marlborough . . . . .               | 49.58             |
| “ “ Newton . . . . .                    | 38.03             |
| “ “ Quincy . . . . .                    | 50.94             |
| “ “ Revere . . . . .                    | 3.00              |
| “ “ Springfield . . . . .               | 2.45              |
| “ “ Woburn . . . . .                    | 51.45             |
| “ “ Worcester . . . . .                 | 9.85              |
| Town of Brookline . . . . .             | 10.00             |
| “ “ Canton . . . . .                    | 2.93              |
| “ “ Clinton . . . . .                   | 10.50             |
| “ “ Danvers . . . . .                   | 49.14             |
| “ “ Hingham . . . . .                   | 89.47             |
| “ “ Leominster . . . . .                | 1.25              |
| “ “ Mattapoisett . . . . .              | 4.00              |
| “ “ Merrimac . . . . .                  | 12.30             |
| “ “ No. Andover . . . . .               | 96.68             |
| <hr/>                                   |                   |
| <i>Amount carried forward . . . . .</i> | <i>\$4,699.72</i> |

|   |            |
|---|------------|
| <i>Amount brought forward</i> . . . . . | \$4,699.72 |
| Town of Plymouth . . . . .              | 3.50       |
| “ “ Watertown . . . . .                 | 10.00      |
| Highway Dept. for labor . . . . .       | 212.00     |
| Guardian and Relatives . . . . .        | 1,592.76   |
| Money refunded . . . . .                | 7.00       |
| Sale of flags . . . . .                 | 28.00      |
|   | <hr/>      |
|   | \$6,552.98 |

TABLE NO. 7.  
EXPENDITURES, IN DETAIL, FOR THE YEAR 1898.

| 1898.         | Rent. | Board.     | Groceries. | Towns and Cities. | Public In-stitutions. | Boots and Shoes. | Dry Goods. | Burial. | Salaries.  | Fuel.    | Sundries. | Medicine. | Total.      |
|---------------|-------|------------|------------|-------------------|-----------------------|------------------|------------|---------|------------|----------|-----------|-----------|-------------|
| January . . . | 38    | \$172.38   | \$503.85   | \$810.77          | \$2,655.38            | \$21.75          | . .        | 40      | \$278.51   | . .      | \$39.19   | . .       | \$4,559.83  |
| February . .  | 38    | 126.00     | 312.90     | 201.10            | 429.48                | 14.80            | \$7.80     | 9       | 273.17     | \$357.41 | 43.25     | . .       | 1,812.91    |
| March . . .   | 38    | 219.18     | 563.44     | 56.00             | 2,345.21              | 10.00            | . .        | . .     | 287.49     | 122.90   | 8.57      | . .       | 3,650.79    |
| April . . .   | 31    | 153.41     | 220.13     | 381.59            | 545.40                | 13.20            | 13.00      | 40      | 270.83     | 10.38    | 60.96     | . .       | 1,739.90    |
| May . . .     | 31    | 186.60     | 248.27     | 59.03             | 628.28                | 12.25            | . .        | . .     | 208.34     | . .      | 40.83     | . .       | 1,414.60    |
| June . . .    | 31    | 185.30     | 271.54     | 62.01             | 2,466.23              | . .              | 11.93      | 5       | 258.33     | . .      | 44.25     | \$292.09  | 3,627.68    |
| July . . .    | 20    | 139.50     | 220.86     | 660.59            | 531.98                | 7.10             | . .        | 20      | 258.33     | . .      | 85.32     | 40.41     | 1,984.09    |
| August . . .  | 7     | 154.21     | 245.73     | 47.00             | 215.42                | . .              | . .        | 35      | 258.33     | . .      | 21.00     | 61.80     | 1,045.49    |
| September .   | 31    | 285.87     | 293.06     | 726.63            | 2,127.74              | 15.00            | . .        | 5       | 258.34     | . .      | 24.30     | 73.65     | 3,840.59    |
| October . .   | 19    | 131.36     | 210.01     | 160.16            | 305.57                | . .              | 7.75       | . .     | 258.33     | . .      | 63.61     | 44.95     | 1,200.74    |
| November .    | 19    | 119.28     | 350.45     | 22.06             | 688.63                | 17.75            | 1.00       | . .     | 258.33     | 120.24   | 16.85     | 54.90     | 1,668.49    |
| December .    | 19    | 170.29     | 284.97     | 643.95            | 331.29                | 10.60            | 9.60       | 60      | 258.34     | 105.46   | 23.95     | 59.65     | 1,977.10    |
|               | 322   | \$2,043.38 | \$3,725.21 | \$3,830.89        | \$13,270.61           | \$122.45         | \$51.08    | 214     | \$3,126.67 | \$716.39 | \$472.08  | \$627.45  | \$28,522.21 |

TABLE NO. 8.  
GROSS EXPENDITURES FROM 1885\*to 1898, INCLUSIVE.

| 1885.       | 1886.       | 1887.       | 1888.       | 1889.       | 1890.       | 1891.       | 1892.       | 1893.       | 1894.       | 1895.       | 1896.       | 1897.       | 1898.       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| \$16,430.32 | \$14,341.83 | \$13,430.89 | \$13,375.98 | \$14,610.92 | \$15,261.14 | \$15,980.49 | \$17,015.30 | \$17,799.58 | \$19,733.13 | \$20,755.46 | \$21,990.79 | \$25,681.47 | \$28,522.21 |



REPORT  
OF THE  
CITY PHYSICIAN.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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OFFICE OF CITY PHYSICIAN,  
January 11, 1899.

TO THE MAYOR AND CITY COUNCIL OF THE CITY OF  
SOMERVILLE.

*Gentlemen:*—The report of my year's service as City Physician, together with a few suggestions, is here presented to your honorable body.

From January 21, 1898 to December 31, 1898 :—

Twenty-two hundred and twenty-nine (2,229) calls have been made at the houses of patients.

Two hundred and two (202) office advices have been given.

Two hundred and twenty-one (221) children have been vaccinated.

Twenty-three (23) patients have been attended during childbirth.

Twenty-six (26) calls have been made at the Police Station.

Three (3) men were examined for the police force.

Two (2) for permanent positions in the fire department.

Twelve (12) certificates were signed for deaths where no physician had been in attendance.

Eight (8) insane paupers have been committed.

From a casual perusal of the blanks required for commitment of patients, I did notice that it required the signature of a physician of three years' practice, but did not notice that the three years' practice must be since graduation; neither did I know at that time that there was any remuneration for commitment. These cases were all committed the first of the year, excepting one case which was recommitted lately. It has since come to my notice that I shall be obliged to ask the signature

of some physician to the blanks, as, while I have practised medicine three years, I shall not have practised three years since my graduation until June of the present year. However, this is a simple matter, as all these cases are passed upon by another physician and the judge of the court, before requiring my (or the second) signature. It is a mere technical matter. Since the matter was so unkindly called to my attention I have had only one case, in which another friendly-disposed physician kindly signed the required blank, for which the county pays \$4.00, so that no expense is entailed to the city under any circumstance.

Unkindly criticisms of this matter by interested parties render it obligatory upon me to make this explanation in regard to this small matter.

For the first time in the history of Somerville the city has paid for the medicine furnished the poor people.

From simply hearing of the cost of these medicines, without giving the subject thought, one might decide that the medicine bill was a large one. When last year's city government voted that the City of Somerville should pay for all medicine prescribed by the City Physician, they also voted that the salary, then \$1,150 per year, should be reduced to \$1,000. It is readily seen that \$150 toward the payment of medicine came from my own pocket and not from the city treasury.

I have now in my office, drugs, bandages, cotton, ether, etc., amounting in value to \$100.00, thus reducing the actual cost to the city for medicine, \$250.

Another important item is the fact that the entire cost for all medicine furnished those patients who have not gained a residence in Somerville is collected from the city or town where their residence has been gained, unless, perchance, they have never lived and paid taxes long enough in any town. In that case the State returns to our poor department the actual cost of all medicine, and also pays this city \$1.00 for each call made on the case by the City Physician. I should estimate that at least one fourth of the entire amount of the cost of medicines is returned from this source, reducing the actual cost proportionally to our city, amounting to about \$150.00.



A careful study of these few facts would soon quickly show that the actual cost of medicines for the year is very small, about \$200.00, considering the number of patients treated.

I am free to confess that I do not believe in economizing at the expense of our poor. Quite a portion of the amount spent for medicine was expended for infant foods. It was the only way their lives could be saved, and economy, when life is at stake, is, I believe, false economy.

Some changes have been made in relation to hospital cases, for whom the Poor department pays \$7.00 per week. Formerly the number of beds was limited to seven, and the city paid \$9.00 per week each for their care. At present the number of beds is unlimited and the cost per patient reduced to \$7.00, a much better arrangement. An almshouse would prove of great benefit if a small ward could be fitted. A great number of our sick poor now sent to the hospital could be cared for in this way, thus saving expense to the city, and allow the City Physician an opportunity to follow carefully the cases in which he is so deeply interested.

It seems to me that all pauper cases admitted to the hospital should be personally examined by the City Physician, whoever he may be, before they are placed on a city bed. It is a simple matter to place on city beds patients who have been cared for by outside physicians until they are no longer able to pay the physician's fees, and then are turned over to the city for care. This has been partially accomplished this year, as it is now necessary for all cases to be reported at the office of the Overseers before they can be sent to the hospital, excepting emergency cases. It would seem entirely proper that the City Physician should personally examine and pass on all cases admitted to the hospital for which the city is to pay.

I believe such an arrangement, although greatly increasing the work of the City Physician, would decrease the number of cases at the hospital paid for by the city, and would respectfully ask that your honorable body make such suggestion to the Overseers of Poor.

I should be very glad of an opportunity to more fully discuss many of these subjects with the city government should opportunity present. The increase of population each year renders

the duties of City Physician more arduous, and we must carefully study every phase of his duties if we expect to keep pace with our sister cities. New ideas in medicine and their application are each year forced upon us. Let us not be simply the follower of others in these matters, but one of the leaders, and show to those cities about us that we are progressive, and believe it our duty to do all in our power to assist and relieve the sufferings of our poor, rather than allow ourselves to become so economical that the poor shall suffer from the economy practised.

Respectfully submitted,

WILLIAM F. HOLMES,

*City Physician.*

REPORT  
OF THE  
CITY ENGINEER.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, February 8, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 9, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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OFFICE OF CITY ENGINEER,  
CITY HALL, SOMERVILLE, January 25, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL OF THE  
CITY OF SOMERVILLE.

*Gentlemen:* — In accordance with Chapter 9, Section 9 of the city ordinances, I herewith present to your honorable body a report of the work done and expense incurred, for the year ending December 31, 1898, by the departments under my charge and supervision, including Engineering, Sewers, Public Grounds, and other public works.

### ENGINEERING DEPARTMENT.

Work in this department consists of the designing of all public engineering works and the superintending of the construction of sewers, bridges, parks, and various other special works of improvement ordered by the City Council from time to time; including the making of all surveys, plans, profiles, specifications, estimates, etc., for the several city departments and committees; the furnishing of street lines, grades, and other information for property owners and builders; the making of assessment plans and computing of assessments for sewers, sidewalks and streets; and the locating, recording, and indexing of all work under the control of the City Engineer.

The work of the Engineering department has increased materially the past year, owing to the greater amount of work done by the Sewer and Highway departments.

Twenty-one assistants have been employed in the department as engineers on the various works during the year, eleven permanently, and others as the work required. All engineering

work has been paid from the engineering appropriation, with the exception of a portion of the work on the constructing of the large storm-water drains, the services of the engineer in charge, who was also an inspector, being charged to that account.

|   |            |
|---|------------|
| Appropriation . . . . .   | \$9,000.00 |
| Received from W. A. Sanborn, partial survey<br>Lincoln Park . . . . . | 40.00      |
| Received from Miscellaneous account, street<br>numbering . . . . .    | 21.50      |
|   | <hr/>      |
|   | \$9,061.50 |

|   |            |
|---|------------|
| Salary City Engineer (including<br>maintenance of team) . . . . . | \$2,350.00 |
| Salaries of assistants . . . . .                                  | 6,062.02   |
| Draughting materials, stationery<br>and office supplies . . . . . | 265.16     |
| Tapes, plumbs, stakes, tools and<br>general supplies . . . . .    | 178.88     |
| Car fares . . . . .   | 174.15     |
| Expressing and incidental ex-<br>penses . . . . .                 | 10.00      |
|   | <hr/>      |
| Total . . . . .   | 9,040.21   |
|   | <hr/>      |
| Unexpended balance . . . . .                                      | \$21.20    |

|   |             |
|---|-------------|
| Engineering services on account of constructing<br>storm drains, paid from Sewers Construction<br>account . . . . . | \$1,456.87  |
| Total cost maintaining Engineering department,<br>1898 . . . . .  | \$10,497.08 |

#### CLASSIFICATION OF EXPENDITURES, ASSISTANTS' SALARIES.

|  |            |
|--|------------|
| Sewers—comprising surveys, estimates, profiles,<br>lines, grades, titles, plans, assessments, and<br>all work relating to sewers . . . . . | \$2,716.46 |
| <i>Amount carried forward</i> . . . . .  | \$2,716.46 |

|  |                  |
|--|------------------|
| <i>Amount brought forward</i> . . . . .  | \$2,716.46       |
| Highways—comprising plans, estimates, titles, profiles, lines and grades, and all other work relating to the department . . . . .                | 409.18           |
| Sidewalks—comprising profiles, lines, grades, measurements, titles, costs and assessments . . . . .  | 516.72           |
| Water Works—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to water department . . . . . | 455.08           |
| Public Grounds—comprising surveys, plans, estimates, profiles and grades, including laying out of parks . . . . .                                | 404.93           |
| Public Buildings—comprising surveys, estimates, lines, grades, and other work relating to construction . . . . .                                 | 86.59            |
| Street Numbering—comprising locations of buildings, plans, and affixing street numbers on houses . . . . .                                       | 162.43           |
| Street Lines—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading . . . . .                   | 129.81           |
| Middlesex Registry—comprising copying of plans and abstracts from deeds filed, and examination of titles . . . . .                               | 186.72           |
| City Survey—comprising lines, angles and measurements, calculations of traverses and locations of division lines and buildings . . . . .         | 203.03           |
| West End Street Railway Co.—comprising grades, plans and profiles . . . . .  | 53.78            |
| Somerville Electric Light Co.—comprising lines, plans and locations of poles . . . . .   | 20.28            |
| Office Work—comprising records of all locations, indexing, typewriting, calculations, and general draughting . . . . .                           | 528.17           |
| Miscellaneous Work—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees . . . . .       | 188.84           |
| Total . . . . .  | <hr/> \$6,062.02 |

The total cost of maintaining the Engineer's department from 1872 to 1898, both years inclusive, has amounted to . . . . \$144,178.00

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## OFFICE RECORDS.

## Note Books and Plans on File.

|                                      |       |
|--------------------------------------|-------|
| Survey and field books . . . . .     | 178   |
| Sewer permit books . . . . .         | 24    |
| Deed record books . . . . .          | 7     |
| <hr/>                                |       |
| Total note books . . . . .           | 209   |
| <br>                                 |       |
| Highway plans and profiles . . . . . | 1,003 |
| Sewer plans and profiles . . . . .   | 1,438 |
| Park plans . . . . .                 | 78    |
| Street numbering plans . . . . .     | 427   |
| House lot plans . . . . .            | 1,392 |
| Miscellaneous plans . . . . .        | 472   |
| <hr/>                                |       |
| Total plans . . . . .                | 4,810 |

## BRIDGES, SUBWAYS, AND GRADE CROSSINGS.

*Boston & Maine Railroad, Southern or Lowell Division:—*

On the main line of this railroad there are no grade crossings in the city; at Washington street the highway passes beneath the railroad, but at all other crossings on this line the highways cross by means of bridges. All but two of these bridges have been erected recently; they are modern iron structures and are maintained by the railroad company.

*The new iron Bridges were built in the following years:—*

Washington street, 1887; Cross street, 1891; Walnut street, 1895; Medford street, 1880; School street, old structure, to be rebuilt in 1899; Sycamore street, old structure; Central street, 1890; Cedar street, 1888; Broadway, 1893.

At Lowell street there is at present no bridge, the old structure having been torn down by the railroad company a number of years ago. This bridge should be rebuilt, as there is no means of crossing the railroad between the Central street and Cedar street bridges, which are a half mile apart.



On the line of the Lexington and Arlington branch of the Boston & Maine Railroad, all the city's streets cross at grade and could be abolished at the present time at a comparatively small expense, while the land at most of these points is unobstructed by buildings and the income from the increased valuation in these localities would soon equal the city's original outlay.

*Fitchburg Railroad:*—On the line of this railroad there are but three bridges, namely, at Prospect street, Washington street, and Beacon street. The Beacon street bridge will probably be rebuilt in 1899. It is designed to be of the full width of the roadway, 44 feet, with 10-foot sidewalks.

The other two bridges are old structures, but will probably answer all purposes, with some repairing, until the matter of abolishing all grade crossings on the line of this railroad is determined. At Kent street and Sacramento street, there are subways for foot passengers only.

At the present time there are ten streets within the city limits that are grade crossings on the line of the Fitchburg Railroad. These are not only dangerous, but cause much delay, and the railroad company and the city should unite in an attempt to abolish these crossings. During the past year considerable preliminary work has been accomplished.

*Broadway Bridge over Alewife Brook:*—This is a stone arch, masonry bridge, in good repair, and is maintained jointly by this city and the town of Arlington.

*Bridges over Mystic River:*—Middlesex avenue bridge is a wooden, pile bridge, with a draw, maintained by the cities of Somerville and Medford; the bridge has been extensively repaired from year to year and will probably be replaced by a new, substantial structure in the near future, to conform with the Metropolitan boulevard constructed on either side of the river. Somerville's proportional part of maintenance for 1898 was \$701.17.

*Boston Avenue Bridge:*—This is a wooden structure, resting on stone abutments, and is in need of extensive repairs; if a double line of electric railroad tracks should be laid in Boston avenue, and cross the Mystic River at this point, a new and permanent bridge should be erected the full width of the street.

## SEWERS AND STORM-RELIEF DRAINS.

Probably a far greater amount of construction work has been accomplished by the Sewer department during the past year than in any other previous year, as the money was available for use early in the season, and large construction work was commenced in March and continued through December. The city has saved many thousands of dollars by doing this work at an opportune time, when materials were at their lowest prices and laborers out of employment on account of business depression.

For many years past the sewers in certain sections of the city have been inadequate in times of heavy storms, and many cellars in the low areas have been badly flooded.

The greater part of the work accomplished during the year has been the construction of long lines of storm-relief drains.

In 1897 a portion of the main trunk outlet for storm water in the Eastern district of the city was completed in Winthrop avenue to Broadway, and in 1898 work on construction was continued from this point in opposite directions. A bell-mouth, or chamber, 15.5 feet long by 9 feet wide, was constructed by day labor, at the junction of Winthrop avenue and Broadway. The cost was \$575.00. From this chamber one line of storm drain was constructed on the northeasterly side of Broadway, from Winthrop avenue to Cross street, and thence along the easterly side of Cross street to the junction of Pearl street; this work was done by contract with Thomas H. Bryne. The structure is circular, built of concrete and brick masonry, 3 feet 6 inches in diameter, and has overflow connections constructed with the old sewerage system at different points on its route.

The total length of this relief drain is 1,877.5 feet, and the cost \$15,741.27. It provides relief from flooding for a district in East Somerville comprising about 147 acres.

Another line of storm drain was constructed from the previously mentioned chamber and extended on the southwesterly side of Broadway, from Winthrop avenue to Sargent avenue, thence on the easterly side of Sargent avenue to Sherman court, through Sherman court to Marshall street, thence along





SIZE 4'-8."

DROP CHAMBER ON BROADWAY STORM DRAIN, NEAR WALNUT ST.



3'-6" CONNECTION.

5'-2" CONNECTION.

7'-6" X 7'-1" OUTLET.

BELL-MOUTH CHAMBER, JUNCT. BROADWAY AND WINTHROP AVE.



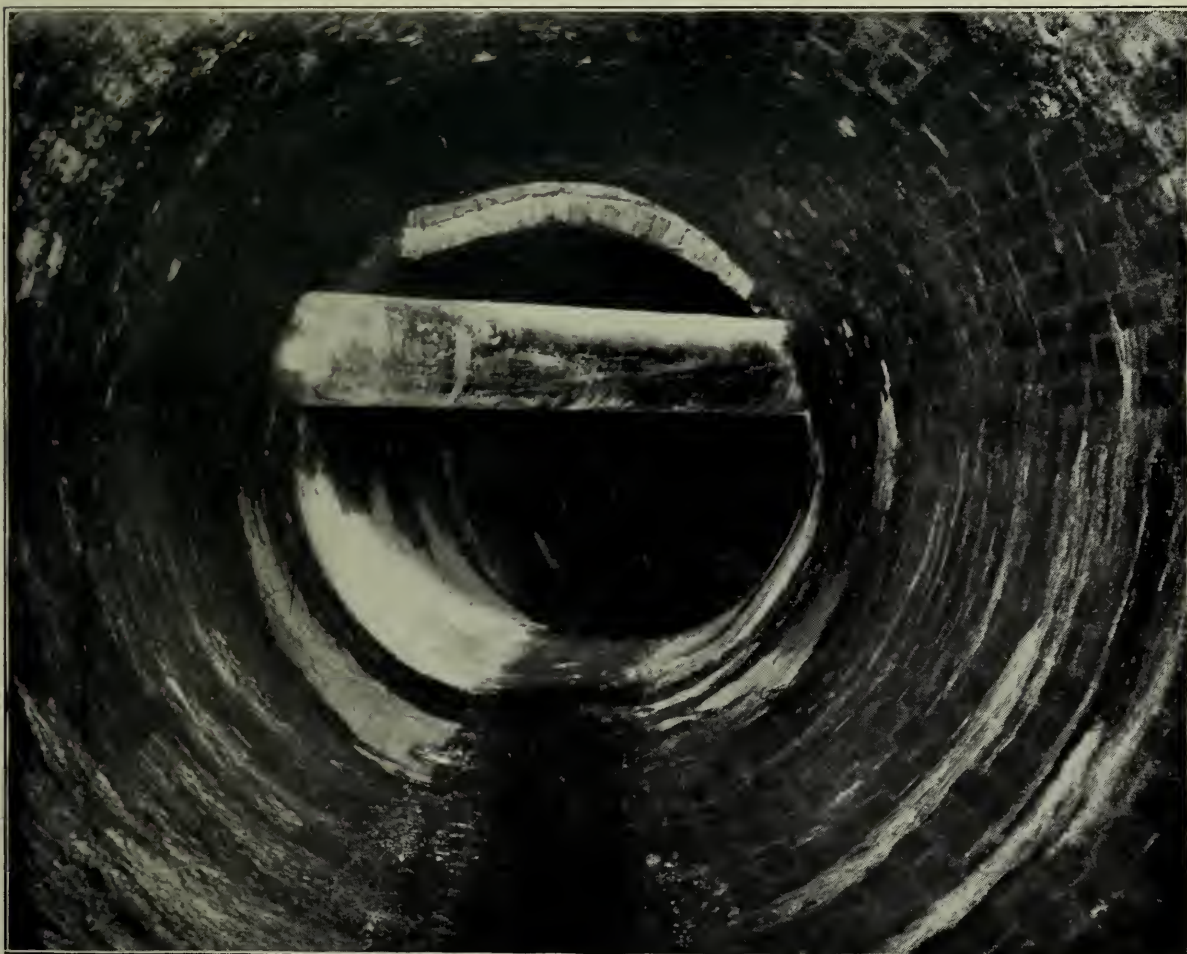




4' CONNECTION.

4' CONNECTION.

BELL-MOUTH CHAMBER, GILMAN SQ., ON STORM DRAIN.



MARSHALL ST. SEWER CROSSING THROUGH 5'-6" STORM DRAIN.



the northwesterly side of Marshall street to Gilman square, crossing the square and running on the southwesterly side of Medford street to the junction of School street.

This work was done by contract and divided, for convenience, into two sections, the part in Broadway and Sargent avenue being constructed by Richard Falvey, and the remaining portion by Charles E. Trumbull & Co.

It is a circular structure, built of concrete and brick masonry, and varies in size, being 5 feet 6 inches, 5 feet 2 inches, 4 feet 8 inches, and 4 feet in diameter, respectively, having overflow connections with the old sewers at various points.

The total length of this drain is 3,774.7 feet, and the cost, \$35,467.03; it is designed to drain, eventually, 285 acres. At Gilman square a bell-mouth connection was left, to be used in the future for draining the Lowell Railroad valley, between School street and Cedar street; this section includes an area of about 118 acres, and at present has no storm-drainage system. A portion of this area is badly flooded at times, and the storm-drainage system should be extended in the railroad valley as a means of relief, the railroad corporation paying a proportional part of the expense for the benefits it will derive therefrom.

A short section of the main trunk outlet for storm water in this Eastern district system remains to be constructed across the marsh land, on the line of Winthrop avenue extended, between Mystic avenue and Middlesex avenue.

When these two sections, just referred to, are constructed, the whole watershed area on the northeasterly side of the city, comprising 520 acres, will be completely drained, and cellars and streets permanently relieved from flooding during storms.

On the southerly side of this watershed, flooding is also experienced, and for the purpose of giving relief to a portion of the district, a storm-relief drain has been constructed during the past year, from the Washington street and Somerville avenue sewers, in Union square, northwesterly in Bow street, on the easterly side, crossing through Wesley square, and extending on the westerly side of Summer street to the junction of School street, a distance of 2,080.8 feet.

The structure is built of concrete and brick masonry, varying in size from 5 feet to 3 feet 4 inches in diameter, with relief



overflows, constructed at different points, connecting the old sewerage system.

C. E. Trumbull & Co. were the contractors, and the total cost of construction amounted to \$18,259.94.

The southerly and westerly portion of this same watershed area, in the vicinity of Union square, and westerly to the Cambridge line, being a very flat and low area, presents a more difficult problem in the city's drainage system.

Within this area there are many cellars at a lower elevation than tide-water, and whenever a heavy storm occurs, accompanied with a high tide, some 700 cellars become more or less flooded by back sewage. To relieve this district, an entirely separate system of sewers has been designed for house drainage only, having its outlet into the metropolitan sewer, the present system to be used for storm drainage.

A section of this separate sewer system, a part of the main trunk line, was constructed the past year, extending from the Metropolitan sewer at Poplar street, along the northeasterly side of Somerville avenue to Prospect street, a distance of 1,846 feet. The work of construction was divided into two sections, the contractors being Timothy F. Crimmings and C. E. Trumbull & Co. The sewer is built of concrete and brick masonry, egg shaped, 3 feet and 3 inches by 2 feet and 2 inches in size, the total cost amounting to \$16,168.03.

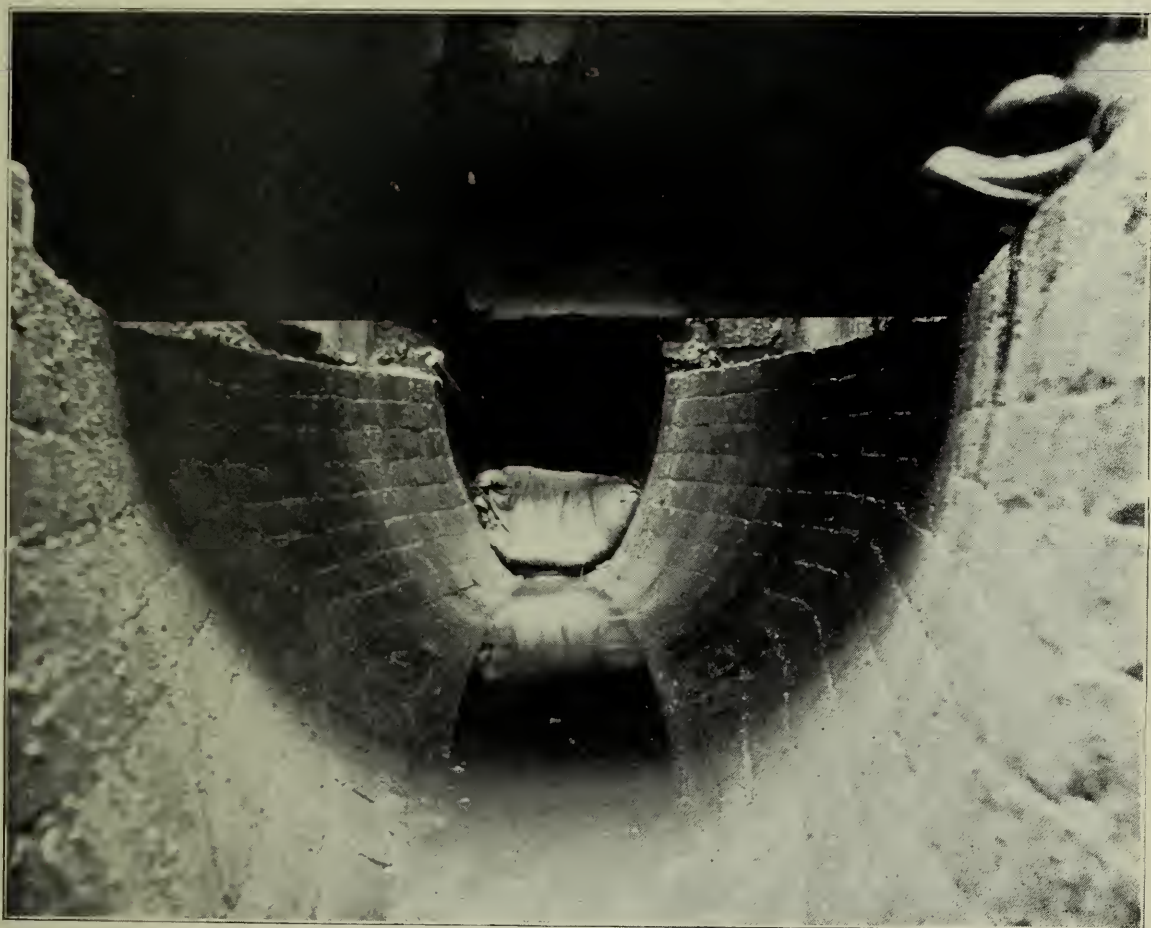
By the extension of this separate system, with various branches, all cellars in the entire Somerville avenue and Concord square districts will be relieved from flooding during storms. Also to give partial relief in times of heavy rains to the present overcharged Somerville avenue sewer, a short section of storm-water drain should be constructed from Somerville avenue easterly to the present head of Miller's River, on the northeast side of the Boston & Lowell Railroad, at the East Cambridge line; this outlet would be protected by automatic tide-gates.

The past year sewers have been built in a section in the westerly part of the city, between Clarendon Hill and Alewife Brook; these are small pipe sewers, constructed for house drainage only, and have their outlet into the Metropolitan





5'-0" STORM DRAIN CONNECTING WITH 5'-6" SEWER IN UNION SQ.



33" x 22" SEWER UNDER 5'-6" SOMERVILLE AVE. SEWER AT PROSPECT ST. INVERT SOMERVILLE AVE. SEWER  $\frac{3}{8}$ " STEEL.



sewer. New sewers have been built and old ones rebuilt in various streets in different parts of the city, as required by petitions, during the year.

#### METROPOLITAN SEWER CONNECTIONS.

During the year 1898, four new connections have been made with the Metropolitan sewer mains, three in the vicinity of Alewife Brook, and the other at the junction of Somerville avenue and Poplar street. At present the city has within its limits, eight connections between the local system and the State sewer, and also two outlets for sewage from small districts through the cities of Cambridge and Medford.

A connection should be made at North Union street for the district on Mount Benedict and vicinity, preventing the discharge of this sewage into Mystic River.

About sixty-nine miles of sewers, having over eleven thousand house connections in the city, are connected with the Metropolitan sewer mains. The city's assessment for maintenance of the Metropolitan sewer for 1898 was \$9,046.15, and on construction account, \$22,520.16. The total amount paid by the City of Somerville on account of construction and maintenance of the Metropolitan sewerage system has been \$202,506.37.

#### SEWERS AND STORM DRAINS CONSTRUCTED IN 1898.

Nineteen sewers have been constructed during the year, a length of 14,975.3 feet (2.84 miles), at a total cost of \$33,240.92. One sewer, contracted for, remained uncompleted December 31, 1898.

On thirteen of these sewers, assessments have been levied on the abutting land owners, amounting to \$11,107.04; the remaining six sewers will be assessed the coming year.

Eight thousand and seventy-six and nine-tenths feet (1.53 miles) of storm-water drains, costing \$70,584.81, have been constructed during the year.

The total cost of constructing the sewerage system in the city has amounted to about \$843,200.00, and the total amount expended for storm-relief drains, exclusive of land damages, about \$131,128.00.



## CATCH-BASINS AND MISCELLANEOUS CONSTRUCTION WORK.

Forty-two catch-basins have been built during the year 1898, at a total cost of \$1,715.22.

The total number of catch-basins built in the city December 31, 1898, is nine hundred and forty-one.

By the addition of more basins on the streets in the localities of the newly constructed storm drains, the highways of the city can be better maintained and at a less expense.

Ten manholes have been constructed on a portion of the old sewerage system in the East Somerville district, east of Cross street, at a total cost of \$272.33, for the purpose of inspecting and cleaning the sewers in this district.

A temporary wooden tide-gate has been built at a cost of \$296.65, in the Winthrop Avenue storm drain, at its outlet on Mystic avenue into the creek across the marsh lands; this tide-gate will be permanently constructed at Middlesex avenue, when the storm drain is completed, in the place of the tide-water creek.

The outlet to the Tannery Brook storm drain, in Cambridge, has been improved and extended during the year at a cost of \$455.24.

## MAINTENANCE OF THE SEWERAGE SYSTEM, 1898.

The general work and cost of maintaining the sewerage system of the city increases each year as more catch-basins are added, more connections with the Metropolitan sewer made, and additional lengths of sewers and storm drains constructed, all of which must be cleaned and flushed occasionally during the year.

The cost of changing the line and grade and repairing manholes, the cleaning of flooded cellars, the flushing, cleaning, repairing and general maintenance of sewers during the year 1898, amounted to \$3,641.61.

The cost of changing the line and grade, repairing, cleaning, flushing and general maintenance of catch-basins during the year 1898, amounted to \$3,694.36.

Permits were granted the past year for laying two hundred and eighty-six private drains connecting buildings with the



public sewers, and for the repairing of thirty-three old drains. All connections with the public sewers are made by licensed drain layers, under the direction of the city's inspector, and are located and recorded for future reference. The cost of inspection, location and general supervision of house drains has amounted to \$368.02.

EXPENDITURES IN SEWER DEPARTMENT, 1898.

The total cost of work done under Sewers Construction account during the year amounted to \$108,567.71, which includes the amount expended for construction of storm-relief drains.

The total cost of work done under Sewers Maintenance account during the year amounted to \$7,703.99.

TABLE SHOWING STORM DRAINS CONSTRUCTED IN 1898.

| DISTRICT BENEFITED.               | FROM                   | TO                   | CONTRACTOR.           | CONCRETE AND BRICK.   |                       |                        |                            |                                    |              |                           | Total Cost. |
|-----------------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------------------------|------------------------------------|--------------|---------------------------|-------------|
|                                   |                        |                      |                       | Size<br>in<br>Inches. | Length<br>in<br>Feet. | Cubic Yds.             | Engineering<br>Inspection. | Materials<br>Furnished by<br>City. | Average Cut. | Average Cost<br>per Foot. |             |
| East Somerville District.         | Winthrop ave. . . . .  | Cross st. . . . .    | T. H. Bryne . . . . . | 42                    | 1,877.5               | 757                    | \$619.90                   | \$428.10                           | 13.2         | \$8.38                    | \$15,741.27 |
| Broadway. . . . .                 | Broadway . . . . .     | Pearl st. . . . .    |                       |                       |                       |                        |                            |                                    |              |                           |             |
| Cross st. . . . .                 | End drain built 1897 . | Broadway . . . . .   | City. Day labor . . . | 90x85                 | 25.7                  | (Includes Bell-mouth.) |                            |                                    |              |                           | 755.67      |
| Winthrop ave. . . . .             | Winthrop ave. . . . .  | Sargent ave. . . . . | Richard Falvey. . . . | 62-56<br>56           | 1,648.6               | 115.1                  | 631.41                     | 286.30                             | 13.5         | 8.84                      | 14,566.77   |
| Sargent ave. . . . .              | Broadway . . . . .     | Sherman ct. . . . .  |                       |                       |                       |                        |                            |                                    |              |                           |             |
| Sherman ct. . . . .               | Sargent ave. . . . .   | Marshall st. . . . . | C. E. Trumbull & Co.  | 56                    | 2,126.1               | 8.2                    | 878.30                     | 1,242.95                           | 11.6         | 9.83                      | 20,900.26   |
| Marshall st. . . . .              | Sherman ct. . . . .    | Gilman sq. . . . .   |                       | 66                    |                       |                        |                            |                                    |              |                           |             |
| Gilman sq. . . . .                | Marshall st. . . . .   | Medford st. . . . .  |                       | 66-48                 |                       |                        |                            |                                    |              |                           |             |
| Medford st. . . . .               | Gilman sq. . . . .     | School st. . . . .   |                       | 48                    |                       |                        |                            |                                    |              |                           |             |
| Somerville Ave. District.         | Washington st. sewer   | Bow st. . . . .      | C. E. Trumbull & Co.  | 60-51<br>51           | 2,080.8               | 437.2                  | 751.53                     | 557.97                             | 11.3         | 8.78                      | 18,259.94   |
| Union sq. . . . .                 | Union sq. . . . .      | Summer st. . . . .   |                       | 51-40                 |                       |                        |                            |                                    |              |                           |             |
| Bow st. . . . .                   | Bow st. . . . .        | School st. . . . .   |                       |                       |                       |                        |                            |                                    |              |                           |             |
| Summer st. . . . .                |                        |                      |                       |                       |                       |                        |                            |                                    |              |                           |             |
| Tannery Brook Valley<br>District. | Davis sq. . . . .      | Westerly . . . . .   | C. E. Trumbull & Co.  | A<br>20-12            | 318.2                 |                        | 16.00                      | 81.18                              | 10.0         | 1.13                      | 360.90      |
| Day st. . . . .                   |                        |                      |                       |                       | 8,076.9               |                        |                            |                                    |              |                           | \$70,584.81 |
| Total . . . . .                   |                        |                      |                       |                       |                       |                        |                            |                                    |              |                           |             |

Total length storm drains constructed by the city Jan. 1, 1899, 14,689.9 feet.

A. Pipe.

# TABULAR STATEMENT OF SEWERS BUILT IN 1898.

| LOCATION.   |                       |                              |                           |                        | ITEMS OF CONSTRUCTION AND COST. |                 |                 |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
|---|-----------------------|------------------------------|---------------------------|------------------------|---------------------------------|-----------------|-----------------|-----------------|-----------------|------------------------------|-----------------------------|-----------|------------------------|---------|--|------------|-------------|----------------|-------------------------------|-------------|-------------|-------------|---------------|--|
| NAME OF STREET.   | FROM                  | TO                           | CONTRACTOR.               | MATERIAL EXCAVATED.    | Average Cut.                    | SEWER.          |                 | SUB-DRAIN.      |                 | Cubic yards Rock Excavation. | Price per Cubic Yard, Rock. | Manholes. | Average Cost Manholes. | Inlets. | PIPE SEWER COST PER LINEAL FOOT.       |            |             |                |                               |             | Total Cost. | Assessment. | Cost to City. |  |
|   |                       |                              |                           |                        |                                 | Size in inches. | Length in feet. | Size in inches. | Length in feet. |                              |                             |           |                        |         | Excavation, Refilling and Pipe Laying. |            | Inspection. | Miscellaneous. | Average cost per Lineal Foot. |             |             |             |               |  |
|   |                       |                              |                           |                        |                                 |                 |                 |                 |                 |                              |                             |           |                        |         | Main Sewer.                            | Sub-Drain. |             |                |                               |             |             |             |               |  |
| Bowers ave. . . . .   | Elm st. . . . .       | Southwesterly . . . . .      | Charles A. Kelley . . .   | Sand . . . . .         | 6.5                             | 8               | 216.5           |                 |                 |                              |                             | 1         |                        | 6       | Built                                  | at peti    | tioners'    | expense        |                               |             |             |             |               |  |
|   |                       |                              |                           |                        | 12.7                            | 12              | 13.0            | 10              | 30              |                              |                             |           |                        |         | \$0.50                                 | \$0.30     |             |                |                               |             |             |             |               |  |
|   |                       |                              |                           |                        | 7.5                             | 10              | 1,585.3         | 8               | 767             |                              |                             |           |                        |         | 0.50                                   | 0.30       |             |                |                               |             |             |             |               |  |
| Broadway . . . . .  | Met. sewer . . . .    | Ab't 70' S.E. of Weston ave. | Charles A. Mongan . . .   | Hardpan and rock       | 8.5                             | 8               | 248.8           | 6               | 1,098           | 347.0                        | \$4.00                      | 11        | \$48.95*               | 105     | 0.65                                   | 0.20       | \$0.24      | \$0.05         | \$0.02                        | \$2.13      | \$3,927.03  | \$3,108.30  | \$818.73      |  |
|   |                       |                              |                           |                        | 10                              |                 | 831.9           |                 |                 |                              |                             |           |                        |         | 0.32                                   |            |             |                |                               |             |             | To be       |               |  |
|   |                       |                              |                           |                        | 193.3                           | 8               | 193.3           |                 |                 | 97.8                         | 3.00                        | 5         | 35.00                  | 71      | 0.32                                   |            | 0.18        | 0.08           |                               | 1.04        | 1,065.47    | assessed    |               |  |
| Curtis st. . . . .  | Electric ave. . . .   | Conwell ave. . . . .         | Daniel A. Dorey . . . .   | Hardpan and rock       | 7.5                             | 8               |                 |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
| Jendicott ave. . . . .                                      | Broadway . . . . .    | Southwesterly . . . . .      | William F. Cunningham     | Hardpan and rock       | 7.4                             | 8               | 407.0           | 6               | 401.0           | 93.0                         | 5.00                        | 1         | 33.25                  | 30      | 0.37                                   | 0.15       | 0.22        | 0.09           | 0.03                          | 2.09        | 850.02      | 555.24      | 294.78        |  |
| Farragut ave. . . . .                                       | Woodstock st. . . .   | Broadway . . . . .           | William F. Cunningham     | Sand . . . . .         | 6.7                             | 8               | 957.5           | 6               | 954.5           | 6.8                          | 5.00                        | 2         | 35.00                  | 69      | 0.30                                   | 0.15       | 0.17        | 0.04           | 0.01                          | 0.78        | 749.56      | 748.80      | 00.76         |  |
| Garrison ave. . . . .                                       | Proposed st. . . . .  | Near Broadway . . . . .      | William F. Cunningham     | Sand . . . . .         | 6.9                             | 8               | 828.5           | 6               | 829.2           |                              |                             | 3         | 35.00                  | 64      | 0.30                                   | 0.15       | 0.19        | 0.03           | 0.02                          | 0.82        | 680.20      | 678.58      | 1.62          |  |
|   |                       |                              |                           |                        | 5.8                             | 10              | 654             |                 |                 |                              |                             |           |                        |         | 0.53                                   |            |             |                |                               |             |             |             |               |  |
| Jenny Lind ave. . . .                                       | Vernon st. . . . .    | Near Medford . . . . .       | Charles A. Kelley . . .   | Hardpan and rock       | 6.3                             | 8               | 167.3           | 5               | 818.0           | 14.7                         | 4.00                        | 3         | 39.00                  | 51      | 0.55                                   | 0.15       | 0.30        | 0.06           | 0.02                          | 1.28        | 1,052.85    | 1,052.47    | 0.38          |  |
|   |                       |                              |                           |                        | 8.3                             | 12              | 282             |                 |                 |                              |                             |           |                        |         | 0.47                                   |            |             |                |                               |             |             |             |               |  |
| Liberty ave. . . . .  | Francesca ave. . . .  | Powder House ter. . . .      | Daniel A. Dorey . . . .   | Hardpan and rock       | 8.0                             | 10              | 374.5           |                 |                 | 308.6                        | 2.45                        | 3         | 37.00                  | 45      | 0.47                                   |            | 0.17        | 0.08           |                               | 2.04        | 1,340.59    | 1,091.42    | 249.17        |  |
| Lincoln parkway . . .                                       | Clark st. . . . .     | Northerly and Westerly .     | City. Day labor . . . .   | Filling and clay . .   | 2.0                             | 12              | 678.3           |                 |                 |                              |                             | 4         | 18.84                  | 48      | 0.21                                   |            | 0.32        | 0.04           |                               | 0.68        | 463.53      | 463.31      | 0.22          |  |
| Moreland st. . . . .  | Meacham st. . . . .   | Near Heath . . . . .         | Patrick Burke . . . . .   | Hardpan and rock       | 7.5                             | 8               | 487.5           |                 |                 | 239.1                        | 2.33                        | 3         | 31.33                  | 31      | 0.40                                   |            | 0.17        | 0.05           | 0.03                          | 1.98        | 966.28      | 811.42      | 154.86        |  |
| North st. and . . . .                                       | Private lands . . . . | Raymond ave. . . . .         | Daniel A. Dorey . . . .   | Hardpan . . . . .      | 8.3                             | 12              | 219.5           | 10              | 225.5           |                              |                             | 2         |                        | 12      | 0.32                                   | 0.15       |             |                |                               |             |             |             |               |  |
| Raymond ave. . . . .  | North st. . . . .     | Southeasterly . . . . .      | Daniel A. Dorey . . . .   | Hardpan and rock       |                                 |                 |                 |                 |                 | 136                          | 2.00                        |           |                        |         |  |            |             |                |                               |             |             | To be       |               |  |
|   |                       |                              |                           |                        | 6.5                             | 8               | 1,194.5         | 6               | 1,194.5         | 85.4                         | 3.75                        | 2         | 34.75                  | 87      | 0.30                                   | 0.10       | 0.31        | 0.06           |                               | 1.30        | 1,844.59    | assessed.   |               |  |
|   |                       |                              |                           |                        |                                 |                 |                 | 12              | 294.5           |                              |                             |           |                        |         |  | 0.56       |             |                |                               |             |             | To be       |               |  |
|   |                       |                              |                           |                        |                                 |                 |                 | 10              | 298.5           |                              |                             | 2         | 94.87*                 |         | 0.47                                   | 0.15       | 0.58        | 0.11           | 0.03                          | 2.18        | 885.86      | assessed.   |               |  |
| Private lands . . . .                                       | Alewife brook . . . . | North st. . . . .            | Richard Falvey . . . .    | Peat . . . . .         | 6.0                             | 12              | 405.0           |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             | To be       |               |  |
| Raymond ave. . . . .  | Curtis st. . . . .    | Northwesterly . . . . .      | Daniel A. Dorey . . . .   | Hardpan and rock       | 7.3                             | 8               | 192.0           |                 |                 | 7.4                          | 3.00                        | 1         | 35.00                  | 13      | 0.32                                   |            | 0.17        | 0.06           |                               | 0.86        | 164.37      | assessed    |               |  |
|   |                       |                              |                           | Hardpan . . . . .      |                                 |                 | 30              |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
| Somerville ave., Sec. 1.                                    | Poplar st. . . . .    | Medford st. . . . .          | T. F. Crimmings . . . .   | Peat and sand . . . .  | 18.5                            | 26x39           | 358.3           | 6               | 650.3           |                              |                             | 3         |                        | 12      |  |            | Brick Sewer |                |                               | 12.03       | 4,305.85    |             | 4,305.85      |  |
|   |                       |                              |                           |                        |                                 | 26x39           | 1,426.0         | 6               |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
|   |                       |                              |                           |                        |                                 | 22x33           | 63.0            | 8               | 2,916.0         |                              |                             | 6         |                        | 51      |  |            | Brick Sewer |                |                               | 7.97        | 11,862.18   |             | 11,862.18     |  |
| Somerville ave., Sec. 2.                                    | Medford st. . . . .   | Prospect st. . . . .         | C. E. Trumbull & Co. . .  | Sand and clay . . . .  | 14.5                            |                 |                 |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
| Tennyson st. . . . .  | Sewer built in 1884   | Near Pembroke st. . . .      | Charles A. Kelley . . . . | Filling and rock . . . | 7.5                             | 10              | 154.6           |                 |                 | 5.1                          | 3.00                        | 1         | 35.00                  | 10      | 0.32                                   |            | 0.24        | 0.04           |                               | 0.92        | 142.58      | 142.56      | 0.02          |  |
| Victoria st. . . . .  | Woodstock st. . . .   | Near Broadway . . . . .      | William F. Cunningham     | Sand and clay . . . .  | 6.7                             | 8               | 847.4           | 6               | 847.0           | 0.9                          | 5.00                        | 2         | 38.62                  | 63      | 0.30                                   | 0.15       | 0.17        | 0.03           | 0.02                          | 0.76        | 644.82      | 643.69      | 1.13          |  |
| Waterhouse st. . . .  | Woodstock st. . . .   | Near Broadway . . . . .      | William F. Cunningham     | Sand and clay . . . .  | 5.9                             | 8               | 791.2           | 6               | 791.2           |                              |                             | 2         | 37.50                  | 56      | 0.30                                   | 0.15       | 0.17        | 0.03           | 0.02                          | 0.76        | 603.83      | 602.28      | 1.55          |  |
|   |                       |                              |                           |                        | 8.2                             | 10              | 300             |                 |                 |                              |                             |           |                        |         | 0.44                                   |            |             |                |                               |             |             |             |               |  |
| Windsor road . . . .  | Willow ave. . . . .   | Near Gordonia road . . .     | William F. Cunningham     | Sand and clay . . . .  | 8.4                             | 8               | 237.5           |                 |                 |                              |                             | 2         | 35.90                  | 24      | 0.44                                   |            | 0.12        | 0.03           |                               | 0.72        | 384.38      | 383.68      | 0.70          |  |
| Woodstock st. . . . .                                       | Met. sewer . . . . .  | Victoria st. . . . .         |                           |                        |                                 |                 |                 |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
| Private lands and . .                                       | Victoria st. . . . .  | Garrison ave. . . . .        | William F. Cunningham     | Sand and clay . . . .  | 8.5                             | 12              | 860.9           | 8               | 875.7           | 1.7                          | 5.00                        | 6         | 51.52*                 | 44      | 0.43                                   | 0.24       | 0.33        | 0.14           | 0.01                          | 1.52        | 1,306.93    | 825.29      | 481.64        |  |
| Proposed st. . . . .  | Garrison ave. . . .   | Farragut ave. . . . .        |                           |                        |                                 |                 |                 |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               |             |             |             |               |  |
| Total length and cost of new sewers built in 1898 . . . . . |                       |                              |                           |                        |                                 |                 | 14,975.3        |                 |                 |                              |                             |           |                        |         |  |            |             |                |                               | \$33,240.92 | \$11,107.04 | \$18,173.59 |               |  |

\* Includes connections with Metropolitan sewer.

Total length of sewers built by the city January 1, 1899 . . . . . 331,510.0 feet.  
Total length of private sewers in the city January 1, 1899 . . . . . 32,717.0 feet.  
Total length of sewers in the city January 1, 1899 . . . . . 364,227.0 feet or 68.98 miles.

## THE FOLLOWING SEWER UNCOMPLETED AND NOT ASSESSED DECEMBER 31, 1898.

| NAME OF STREET.              | FROM                      | To                      | CONTRACTOR.          | MATERIAL EXCAVATED.   | SIZE IN INCHES.     | APPROXIMATE LENGTH IN FEET COMPLETED. | AMOUNT PAID DEC. 31, 1898. |
|------------------------------|---------------------------|-------------------------|----------------------|-----------------------|---------------------|---------------------------------------|----------------------------|
| Packard avenue and . . . . . | Electric avenue . . . . . | Private lands . . . . . |                      |                       | 16x24 Brick . . . . | 250.0                                 |                            |
| Private lands . . . . .      | Packard avenue . . . . .  | Curtis street . . . . . | Timothy F. Crimmings | Clay and sand . . . . | 12" Pipe . . . . .  |                                       | \$51.90                    |





## PUBLIC GROUNDS DEPARTMENT.

The public parks in the city have been maintained during the season of 1898 at about the same cost as the preceding year. Some changes have been made in the location and planting of the various flowerbeds on the different parks. A rockery has been added in the pond on Broadway Park, which was decorated during the summer with tropical plants, water grasses and pond lilies.

By an agreement, Florist J. W. Howard has furnished and maintained all flowers, plants, bulbs, bedding and shrubbery used on the public grounds during the season.

The fence which surrounded the Parkway, in Broadway, has been removed, and an order was adopted by the City Council in December, authorizing the removal of the iron fence enclosing the Broadway Park, but nothing was done, on account of insufficient time.

Some of the walks on Central Hill Park have been partially repaired during the year, but the steep walks leading to the railroad station are in an unsafe condition and should be reconstructed ; also an additional number of settees should be placed on the different parks.

The matter of depositing ashes and refuse material on all parts of the Ward Two park has been restricted, and all dumping confined to Wyatt's pit, in one section of this park.

During the winter months, Lincoln Park and Broadway Park have been flooded, and some excellent ice provided which has been enjoyed by crowds of skaters ; at the Central Hill Park, Nathan Tufts Park and Broadway Park, special police service has been furnished throughout the entire season, the police officers being on duty during afternoons and evenings, which has raised the character and increased the popularity of the city's public grounds, the parks having been more liberally patronized during the past season by visitors and bicycle riders than ever before.

In August the heirs of Nathan Tufts donated a new flag to be used on the old Powder House at Tufts Park.

An order was adopted by the City Council, April 11, 1898, naming the two parcels of land, Sanborn Field and Wyatt's Pit,

in Ward Two, recently purchased by the city for park purposes, Lincoln Park, and also for the laying out and constructing of the park according to a certain plan. (A copy of this plan was printed in the report of 1897.)

An appropriation of \$5,000.00 was made for a partial construction of this park. A roadway, 40 feet in width and 1,220 feet long, with an average fill of 3 feet 7 inches, has been subgraded, the athletic field leveled over and put in condition for surfacing, sewers and drains constructed, and the portion of the field around the old pit partially graded and filled. According to an agreement in the purchase, the roadway in this park must be completed by July 1, 1899. The athletic field can be finished for use during the coming year.

By an act of the Legislature, approved April 1, 1898, the City of Somerville was authorized to acquire and lay out land as a public park, located on the summit of Prospect Hill.

During the year about one half of the land in the area for this proposed park was purchased, being the Thompson Estate, located on the southwesterly side of Munroe (or High) street, opposite the intersections of Prospect Hill avenue and Greenville street, and comprising 1.32 acres, the city paying \$20,000.00 for the land, and the taxes for 1898, amounting to \$356.21. The remainder of the land for this park, the Hutchins and Jones Estates, may be purchased or taken any time within three years. The total area of this park will be 2.57 acres.

A number of sketches and considerable data have been prepared during the last year on projected boulevards; Chauncey and Winthrop avenues and a small piece of land from the northeast corner of Broadway Park have been taken by the Metropolitan Park Commission for the extension of the Fellsway boulevard to Broadway; the construction of this boulevard was completed as far as Mystic avenue, by the State, during the year, and when the extension is completed, the city will have an entrance to the driveways through Middlesex Fells.

Another proposed boulevard has been agitated, which would also be a direct entrance to the Fells; beginning at Powder House square, opposite the Tufts Park, and extending northwesterly across Tufts College and other private lands, along the

easterly bank of Alewife brook, to near the junction of Boston avenue and Mystic River, at the city of Medford boundary line. The property owners on the line of this proposed boulevard will contribute the necessary land, with but one or two exceptions, and probably during the next year the matter will be definitely settled, the city being unable to take this land for boulevard purposes without first obtaining authority from the Legislature.

When constructed, this drive would connect with the proposed boulevard extending from Mystic Lake along the banks of Mystic River to the Wellington bridge. On this river boulevard, considerable preliminary work was done the latter part of the year by the cities of Somerville and Medford in conjunction with the Metropolitan Park Commission.

The total area maintained by the Public Grounds department amounts to 50.2 acres.

CONDENSED TABLE SHOWING COST OF MAINTENANCE OF CITY'S PARKS FOR 1898.

|  | Broadway Park. | Broadway Parkway. | Central Hill Park. | Nathan Tufts Park. | Lincoln Park. | Somerville Ave. Cemetery. | Miscellaneous. |
|--|----------------|-------------------|--------------------|--------------------|---------------|---------------------------|----------------|
| Labor, care of walks, drives, grass, etc.                | \$1,086.82     | \$126.00          | \$800.17           | \$640.40           | \$ 99.38      | \$26.00                   | . . .          |
| Labor, removing snow and ice from walks. . . . .         | . . . . .      | . . . . .         | 208.69             | . . . . .          | . . . . .     | . . . . .                 | . . . . .      |
| Labor, flooding pond and care of ice for skating . . . . | 456.92         | . . . . .         | . . . . .          | . . . . .          | 429.31        | . . . . .                 | . . . . .      |
| Labor, police service on park (including uniform) . .    | 320.90         | . . . . .         | 200.45             | 239.45             | . . . . .     | . . . . .                 | . . . . .      |
| Labor, trimming trees and destroying brown-tail moth     | 51.00          | . . . . .         | 27.37              | . . . . .          | . . . . .     | 19.82                     | . . . . .      |
| Use of water, season of 1898 . . . . .                   | 5.00           | 15.00             | 20.00              | 15.00              | . . . . .     | 5.00                      | . . . . .      |
| Tools and sundry supplies . . . . .                      | 60.12          | . . . . .         | 53.02              | 22.33              | 30.50         | . . . . .                 | . . . . .      |
| Repairs of tools and property . . . . .                  | 25.83          | 9.00              | 20.10              | 11.50              | 12.22         | . . . . .                 | . . . . .      |
| Teaming and use of horse on mower . . . . .              | 99.68          | . . . . .         | 56.13              | . . . . .          | . . . . .     | . . . . .                 | . . . . .      |
| New settees, repairing and painting settees . . . . .    | 53.85          | . . . . .         | . . . . .          | 24.90              | . . . . .     | . . . . .                 | . . . . .      |
| Repairing walks and drives, materials . . . . .          | 56.50          | . . . . .         | 49.45              | 10.38              | . . . . .     | . . . . .                 | . . . . .      |
| New flag, raising and lowering topmast . . . . .         | 48.00          | . . . . .         | . . . . .          | . . . . .          | . . . . .     | . . . . .                 | . . . . .      |
| Constructing rockery in pond . . . . .                   | 74.14          | . . . . .         | . . . . .          | . . . . .          | . . . . .     | . . . . .                 | . . . . .      |
| Plants, flowers, bulbs, and maintenance of same . . .    | 286.00         | 164.00            | 350.00             | 100.00             | . . . . .     | . . . . .                 | . . . . .      |
| Totals, each park . . . . .                              | \$2,624.76     | \$314.00          | \$1,785.38         | \$1,063.96         | \$571.41      | \$50.82                   | \$26.00        |

TOTAL EXPENDITURE, maintenance . . . . . \$6,436.33

CREDIT.

|                                     |                |
|-------------------------------------|----------------|
| APPROPRIATION . . . . .             | \$6,000.00     |
| INTEREST ACCOUNT . . . . .          | 400.00         |
| WEST END STREET RAILWAY CO. . . . . | 50.00          |
| SALE OF MATERIALS . . . . .         | 15.30          |
| UNEXPENDED BALANCE . . . . .        | 6,465.30       |
|                                     | <u>\$28.97</u> |



## LINCOLN PARK, CONSTRUCTION, 1898.

|   |            |            |
|---|------------|------------|
| Labor, laying out and grading park . . . . .                | \$1,446.06 |            |
| Teaming and rolling . . . . .                               | 281.02     |            |
| Underdraining field, pipe \$133.55, labor \$84.00 . . . . . | 217.55     |            |
| Loam delivered, 317 cubic yards . . . . .                   | 64.46      |            |
| Labor, construction of roadway . . . . .                    | 571.00     |            |
| Filling delivered, 10,276 cubic yards . . . . .             | 1,805.83   |            |
| Labor, care of dumping and grading at Wyatt's pit . . . . . | 353.50     |            |
| Tools and supplies . . . . .                                | 30.11      |            |
| Sewer assessment . . . . .                                  | 218.34     |            |
| Total expended . . . . .                                    |            | \$4,987.87 |
| Appropriation . . . . .                                     |            | 5,000.00   |
| Unexpended balance . . . . .                                |            | \$12.13    |

TABLE SHOWING TOTAL COST OF PARKS AS CONSTRUCTED.  
(Exclusive of Maintenance.)

|   | Broadway Park<br>(15.9 acres.) | Central Hill Park<br>(13.1 acres.) | Nathan Tufts Park<br>(4.5 acres.) | Lincoln Park<br>(8.3 acres.) | Prospect Hill Park<br>(1.3 acres.) |
|---|--------------------------------|------------------------------------|-----------------------------------|------------------------------|------------------------------------|
| Cost of land purchased for park purposes.     | \$126,257.10                   | \$104,186.00                       | \$19,424.55                       | \$37,592.92                  | \$20,356.21                        |
| First cost of laying out and constructing . . | 86,138.57                      | 31,624.70                          | 33,404.83                         | 5,602.87                     |                                    |
| Total cost . . .                              | \$212,395.67                   | \$135,810.70                       | \$52,829.38                       | \$43,195.79                  | \$20,356.21                        |

## HIGHWAYS.

Ten streets have been accepted during the year, an aggregate length of nine-tenths of a mile, making the total length of public streets, fifty-six and thirty-eight one-hundredths miles.

Seventeen private streets have been added the past year, making a total length of thirty-two and twenty-four one-hundredths miles.

The sum total, public and private streets in the city, December 31, 1898, is eighty-eight and sixty-two one-hundredths miles.

During the year, eighteen thousand four hundred and thirty-two feet, or three and one-half miles, of edgestone have been set, and sixteen thousand nine hundred and eighty-seven yards of brick sidewalk constructed, making a total of about seventy-five and nine-tenths miles of edgestone and about fifty miles of brick sidewalk.

About one fourth of a mile of paved streets have been constructed the last year, making a total length of two and four-tenths miles of granite paved streets.

The latter part of the year the City Council granted a location to the Massachusetts Pipe Line Gas Company for laying two 36-inch supply mains in the highways across the easterly end of the city; the route extending from the Charlestown line through Washington street, Prospect street, Houghton street and Springfield street to Inman square, Cambridge.

The work of laying these large gas mains will necessitate a number of changes in the city's pipes.

#### WEBSTER AVENUE, PAVING.

(Between Fitchburg R. R. and Cambridge Line.)

During the year the remaining portion of Webster avenue has been paved with granite blocks, laid partly on a gravel foundation and partly on a concrete foundation, which completes the paving of the street its entire length. The labor and materials were furnished by contract at the following cost:—

|                                      |                   |
|--------------------------------------|-------------------|
| 1,320 sq. yds. (gravel foundation)   |                   |
| granite block paving . . .           | \$ 633.60         |
| 1,767 sq. yds. (concrete foundation) |                   |
| granite block paving . . .           | 2,279.43          |
|                                      | <hr/>             |
| <i>Amount carried forward . . .</i>  | <i>\$2,913.03</i> |

|   |            |            |
|---|------------|------------|
| <i>Amount brought forward</i> .   | \$2,913.03 |            |
| 2,214 lin. ft. of edgestone set<br>and reset . . . . .                                      | 354.24     |            |
| 243 sq. yds. brick sidewalk<br>relaid . . . . .   | 89.91      |            |
| 79.4 sq. yds. crosswalk laid and<br>relaid (including 10 yds.<br>concrete foundation) . . . | 49.70      |            |
| Extra work, cutting edgestone,<br>flagging, etc. . . . .                                    | 25.30      |            |
|   | <hr/>      | \$3,432.18 |
| 73,679 granite blocks delivered .   | \$3,241.88 |            |
| 7,080 bricks delivered . . . .  | 72.57      |            |
| 219.8 lin. ft. edgestone de-<br>livered . . . . .   | 92.32      |            |
| 22.2 lin. ft. edgestone delivered<br>(circle) . . . . .                                     | 12.43      |            |
| 714.6 sq. ft. granite flagging<br>delivered . . . . .                                       | 168.23     |            |
|   | <hr/>      | 3,587.43   |
| Building catch-basin and chang-<br>ing grade of manholes . . . . .                          |            | 81.19      |
| Inspection of work . . . . .  |            | 100.50     |
|   |            | <hr/>      |
| Total cost . . . . .  |            | \$7,201.30 |

## STREETS ACCEPTED IN 1898.

| NAME OF STREET.   | WARD. | FROM  | To               | Width<br>in feet. | Length<br>in feet. |
|-------------------|-------|---|------------------|-------------------|--------------------|
| Adrian . . . . .  | 2     | Marion st. . . . .                          | Joseph st. . .   | 40                | 579                |
| Ashland . . . . . | 4     | Summer st. . . . .                          | Sartwell ave. .  | 30                | 478                |
| Chamwood road     | 4     | Willow ave. . . . .                         | Gordonia road .  | 40                | 589                |
| Cook . . . . .    | 2     | Marion st. . . . .                          | South Wyatt st.  | 40                | 268                |
| Joy . . . . .     | 1     | Washington st. . . .                        | Poplar st. . . . | 30                | 1,121              |
| Kingston . . . .  | 4     | End of street accepted<br>in 1895 . . . . . | Cambridge line   | 40                | 19                 |
| Lowell . . . . .  | 4     | Crown st. . . . .                           | Highland ave. .  | 40                | 582                |
| Marion . . . . .  | 2     | Concord ave . . . . .                       | Adrian st. . .   | 40                | 261                |
| Morton . . . . .  | 1     | Glen st. . . . .                            | Knowlton st. .   | 40                | 287                |
| Winslow ave. . .  | 4     | Grove st. . . . .                           | Clifton st. . .  | 40                | 572                |
| Total . . . .     |       |   |                  |                   | 4,756              |

## LENGTH OF ACCEPTED STREETS IN EACH WARD.

Ward One . . . . . 8. 3 miles.

Ward Two . . . . . 11. 7 miles.

Ward Three . . . . . 17.15 miles.

Ward Four . . . . . 19.23 miles.

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 Total length of accepted streets in the city . . 56.38 miles.



TABLE SHOWING LOCATION AND COST OF EDGESTONES AND BRICK SIDEWALKS AND PAVED  
GUTTERS WHERE EDGESTONE WAS SET IN 1898.

| STREET.             | WARD. | SIDE.          | FROM                         | To                           | WIDTH OF<br>SIDEWALK<br>IN FEET. | MATERIALS.                                  |                     | Cost.       | PAVED GUTTERS. |            |
|---------------------|-------|----------------|------------------------------|------------------------------|----------------------------------|---|---------------------|-------------|----------------|------------|
|                     |       |                |                              |                              |                                  | Gravel and<br>Edge-<br>stones<br>Lineal Ft. | Bricks<br>Sq. Yards |             | Sq. Yards      | Cost.      |
| Albion . . . .      | 3     | Southwesterly  | Central st. . . . .          | Lowell st. . . . .           | 6.67                             | 1,358.3                                     | .. . .              | \$1,079.56  | 453            | \$444.35   |
| Ames . . . . .      | 3     | Southwesterly  | Central st. . . . .          | Bartlett st. . . . .         | 6.67                             | .. . .                                      | 380.2               | 375.56      | .. . .         | .. . .     |
| Banks . . . . .     | 4     | Both . . . . . | Elm st. . . . .              | Summer st. . . . .           | 6.67                             | 1,300.1                                     | .. . .              | 1,050.31    | 434            | 537.10     |
| * Beech . . . . .   | 4     | Northeasterly  | Estate of Tyler              | Estate of Hayden             | 7.50                             | 103.2                                       | 64.0                | 139.21      | 34             | 70.95      |
| Bonner ave. . .     | 2     | Northwesterly  | Homer square                 | Columbus ave. . .            | 6.67                             | .. . .                                      | 126.7               | 140.95      | .. . .         | .. . .     |
| Boston . . . . .    | 2     | Southwesterly  | Prospect Hill ave.           | Washington st. . .           | 7.50                             | 36.7  | 426.8               | 417.85      | .. . .         | .. . .     |
| Browning road .     | 3     | Southerly . .  | Sycamore st. . . . .         | Estate of Brown              | 6.67                             | 376.7                                       | 252.0               | 528.60      | 126            | 125.13     |
| Browning road .     | 3     | Northerly . .  | Estate of Rich. . .          | Estate of Sawyer             | 6.67                             | 177.4                                       | 122.4               | 317.39      | 59             | 82.65      |
| Burnside ave. .     | 4     | Southeasterly  | Elm st. . . . .              | Summer st. . . . .           | 6.67                             | 736.2                                       | .. . .              | 632.53      | 245            | 354.90     |
| Campbell park .     | 4     | Both . . . . . | Meacham st. . . . .          | Kingston st. . . . .         | 6.67                             | 749.7                                       | .. . .              | 504.88      | 250            | 208.35     |
| Claremont . . .     | 4     | Northwesterly  | Holland st. . . . .          | Mead st. . . . .             | 6.67                             | 589.0                                       | .. . .              | 437.24      | 194            | 221.10     |
| Columbus ave. .     | 2     | Southwesterly  | Bonner st. . . . .           | Estate of Hitchings          | 6.67                             | .. . .                                      | 28.0                | 36.65       | .. . .         | .. . .     |
| Concord ave. . .    | 2     | Northerly . .  | Estate of city of Somerville | Marion st. . . . .           | 6.67                             | .. . .                                      | 280.0               | 269.23      | .. . .         | .. . .     |
| Concord ave. . .    | 2     | Southerly . .  | Springfield st. . .          | Leon st. . . . .             | 6.67                             | 444.0                                       | .. . .              | 354.68      | 148            | 197.85     |
| Concord ave. . .    | 2     | Northerly . .  | Marion st. . . . .           | South Wyatt st. . .          | 6.67                             | 342.8                                       | 220.1               | 485.88      | 114            | 149.17     |
| Cutter ave. . . .   | 4     | Both . . . . . | Summer st. . . . .           | Highland ave. . . .          | 6.67                             | 1,005.1                                     | .. . .              | 726.98      | 335            | 369.07     |
| Essex . . . . .     | 3     | Northwesterly  | Medford st. . . . .          | Richdale ave. . . .          | 6.67                             | .. . .                                      | 166.2               | 160.86      | .. . .         | .. . .     |
| Francesca ave. .    | 4     | Both . . . . . | Elm st. . . . .              | Liberty ave. . . . .         | 6.67                             | .. . .                                      | 1,068.1             | 1,017.44    | .. . .         | .. . .     |
| Gilman . . . . .    | 3     | Southwesterly  | Aldrich st. . . . .          | Walnut st. . . . .           | 6.67                             | .. . .                                      | 505.0               | 478.60      | .. . .         | .. . .     |
| Grant . . . . .     | 3     | Both . . . . . | Broadway . . . . .           | Jaques st. . . . .           | 6.67                             | 979.9                                       | .. . .              | 729.26      | 326            | 385.00     |
| Hancock . . . .     | 4     | Southeasterly  | Elm st. . . . .              | Summer st. . . . .           | 6.67                             | 796.9                                       | .. . .              | 682.09      | 266            | 390.40     |
| Highland ave. .     | 3&4   | Northeasterly  | Est. of Central Club Ass'n   | Grove st. . . . .            | 10.00                            | .. . .                                      | 4,945.7             | 4,938.13    | .. . .         | .. . .     |
| (1) Highland ave. . | 2     | Southwesterly  | Walnut st. . . . .           | Trull lane . . . . .         | 10.00                            | .. . .                                      | 648.1               | 631.94      | .. . .         | .. . .     |
| Hudson . . . . .    | 3     | Northeasterly  | Central st. . . . .          | Lowell st. . . . .           | 6.67                             | .. . .                                      | 930.0               | 893.15      | .. . .         | .. . .     |
| Hudson . . . . .    | 3     | Southwesterly  | Central st. . . . .          | Lowell st. . . . .           | 6.67                             | .. . .                                      | 889.0               | 920.00      | .. . .         | .. . .     |
| Ibbetson . . . .    | 4     | Southeasterly  | Somerville ave. . .          | Estate of Spring . .         | 6.67                             | 378.2                                       | .. . .              | 273.14      | 126            | 314.80     |
| Ibbetson . . . .    | 4     | Northwesterly  | Somerville ave. . .          | Estate of Spring . .         | 6.67                             | 344.1                                       | .. . .              | 263.82      | 115            | .. . .     |
| Jenny Lind ave. .   | 3     | Both . . . . . | Broadway . . . . .           | Medford st. . . . .          | 6.67                             | 1,235.3                                     | .. . .              | 879.84      | 412            | 493.62     |
| Joy . . . . .       | 1     | Southwesterly  | Washington st. . .           | Estate of city of Somerville | 5.90                             | 968.1                                       | .. . .              | 634.53      | 323            | 312.05     |
| Medford . . . .     | 3     | Northeasterly  | School st. . . . .           | Estate of Stickney Hrs. .    | 8.33                             | .. . .                                      | 332.6               | 316.37      | .. . .         | .. . .     |
| Miner . . . . .     | 3     | Northwesterly  | Ames st. . . . .             | Vernon st. . . . .           | 6.67                             | .. . .                                      | 167.6               | 182.80      | .. . .         | .. . .     |
| Miner . . . . .     | 3     | Southeasterly  | Ames st. . . . .             | Vernon st. . . . .           | 6.67                             | .. . .                                      | 178.6               | 184.30      | .. . .         | .. . .     |
| (2) Monmouth . .    | 3     | Southwesterly  | Central st. . . . .          | Estate of Pinkham . .        | 6.67                             | 264.3                                       | .. . .              | 183.7       | 103            | 313.05     |
| Monrose . . . .     | 3     | Northeasterly  | School st. . . . .           | Sycamore st. . . . .         | 6.67                             | .. . .                                      | 608.2               | 575.25      | .. . .         | .. . .     |
| Morrison . . . .    | 4     | Northeasterly  | Est. of Univ. church         | Estate of Rand . . . .       | 6.67                             | .. . .                                      | 263.5               | 252.30      | .. . .         | .. . .     |
| Morton . . . . .    | 1     | Both . . . . . | Glen st. . . . .             | Knowlton st. . . . .         | 6.67                             | 627.4                                       | .. . .              | 429.46      | 209            | 238.35     |
| Porter . . . . .    | 4     | Northwesterly  | Highland ave. . . .          | Estate of Foord & Cary       | 7.50                             | .. . .                                      | 423.3               | 447.33      | .. . .         | .. . .     |
| Robinson . . . .    | 3     | Northeasterly  | Central st. . . . .          | Bartlett st. . . . .         | 6.67                             | .. . .                                      | 441.4               | 460.70      | .. . .         | .. . .     |
| Robinson . . . .    | 3     | Southwesterly  | Ames st. . . . .             | Bartlett st. . . . .         | 6.67                             | 501.0                                       | .. . .              | 377.42      | 167            | 187.30     |
| * Russell . . . . . | 4     | Northwesterly  | Orchard st. . . . .          | Cambridge line . . .         | 6.67                             | 240.7                                       | .. . .              | 168.14      | 80             | 111.45     |
| Sargent ave. . .    | 3     | Southeasterly  | Estate of Hunkins . .        | Angle . . . . .              | 6.67                             | .. . .                                      | 191.5               | 183.18      | .. . .         | .. . .     |
| * School . . . . .  | 3     | Northwesterly  | Monrose st. . . . .          | Medford st. . . . .          | 8.33                             | 268.5                                       | 227.3               | 421.06      | 89             | 180.38     |
| Springfield . . .   | 2     | Both . . . . . | Concord ave. . . . .         | Cambridge line . . .         | 6.67                             | .. . .                                      | 1,056.9             | 1,001.98    | .. . .         | .. . .     |
| Summer . . . . .    | 4     | Southwesterly  | Craigie st. . . . .          | Est. of Spaulding & Wallace  | 7.50                             | 885.2                                       | 695.1               | 1,202.62    | 295            | 488.85     |
| Tennyson . . . .    | 3     | Northwesterly  | Forster st. . . . .          | Medford st. . . . .          | 6.67                             | .. . .                                      | 321.4               | 337.38      | .. . .         | .. . .     |
| Thurston . . . .    | 3     | Northwesterly  | Evergreen st. . . .          | Estate of Hunt . . . .       | 6.67                             | .. . .                                      | 63.0                | 75.95       | .. . .         | .. . .     |
| * Thurston . . . .  | 3     | Northwesterly  | Medford st. . . . .          | Evergreen ave. . . .         | 6.67                             | 480.8                                       | 189.6               | 526.19      | 160            | 155.43     |
| Trull . . . . .     | 3     | Northwesterly  | Medford st. . . . .          | Vernon st. . . . .           | 6.67                             | 1,094.1                                     | .. . .              | 807.78      | 365            | 414.45     |
| Webster ave. . .    | 2     | Southeasterly  | Prospect st. . . . .         | Fitchburg Railroad . .       | 8.25                             | 189.7                                       | .. . .              | 114.07      | .. . .         | .. . .     |
| Wellington ave. .   | 3     | Southwesterly  | Walnut st. . . . .           | Estate of Marshall Hrs. .    | 6.67                             | .. . .                                      | 140.5               | 131.20      | .. . .         | .. . .     |
| Wigglesworth . .    | 3     | Southeasterly  | Pearl st. . . . .            | Otis st. . . . .             | 6.67                             | 526.8                                       | .. . .              | 482.81      | 176            | 211.90     |
| Wigglesworth . .    | 3     | Northwesterly  | Pearl st. . . . .            | McGregor place . . .         | 6.67                             | 580.3                                       | .. . .              | 448.33      | 193            | 237.00     |
| Wigglesworth . .    | 3     | Southeasterly  | Bonair st. . . . .           | Otis st. . . . .             | 6.67                             | 206.0                                       | .. . .              | 181.53      | 67             | 131.05     |
| Totals . . . .      |       |                |                              |                              |                                  | 17,774.5                                    | 16,526.5            | \$29,696.12 | 5,864.0        | \$7,305.70 |

(1) Brick and grass strip. (2) Granolithic sidewalk. \* Block stone in gutter.

LENGTH OF EDGESTONE AND BRICK SIDEWALK IN EACH WARD.

|                      | EDGESTONE.<br>miles | BRICK.<br>miles. |
|----------------------|---------------------|------------------|
| Ward One . . . . .   | 13.88               | 10.85            |
| Ward Two . . . . .   | 19.32               | 13.17            |
| Ward Three . . . . . | 22.70               | 14.61            |
| Ward Four . . . . .  | 20.00               | 11.37            |

Total lengths in the city . . . . . 75.90 50.00



## WATER WORKS.

Lines, grades and miscellaneous data have been furnished the Water department when requested; all street mains, hydrants, gates, house services and connections have been accurately located and recorded in the Engineer's department, for future reference.

A number of blow-off connections have been made with the sewerage system for the purpose of emptying, when necessary, both the city's and Metropolitan water mains.

The new high-service reservoir being constructed by the State, in Middlesex Fells, will be completed during the coming year, and this city will be supplied with high-service pressure direct from this reservoir through the Metropolitan mains; this extra pressure can be utilized with benefit to this city in the matter of increased fire protection in the low areas by the construction of a separate system of high-pressure water mains covering the dangerous fire districts.

## APPENDED TABLES.

Following are two tables of streets, one showing the location, length and width of public and private streets in the city; the other gives some of the names that present streets were formerly known as, or shown on old plans.

Respectfully submitted,

ERNEST W. BAILEY,

*City Engineer.*

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.

| STREET.            | FROM             | To                | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|--------------------|------------------|-------------------|--------------------------|----------------------|---------|----------|
|                    |                  |                   |                          |                      | Public. | Private. |
| Adams . . . .      | Broadway . .     | Medford st. . .   | Public.                  | 40                   | 900     | . . .    |
| Adrian . . . .     | Marion st. . .   | Joseph st. . . .  | Public.                  | 40                   | 579     | . . .    |
| Albion pl. . . .   | Albion st. . .   | Northeasterly . . | Private.                 | 10                   | . . .   | 166      |
| Albion ct. . . .   | Albion st. . .   | Southwesterly . . | Private.                 | 16                   | . . .   | 116      |
| Albion . . . .     | Central st. . .  | Cedar st. . . .   | Public.                  | 40                   | 2,742   | . . .    |
| Albion . . . .     | Broadway . .     | Medford line . .  | Private.                 | 50                   | . . .   | 100      |
| Albion terrace .   | Albion st. . .   | Southwesterly . . | Private.                 | 25                   | . . .   | 100      |
| Aldersey . . . .   | Walnut st. . .   | Vinal ave. . . .  | Public.                  | 40                   | 508     | . . .    |
| Aldrich . . . .    | Pearl st. . . .  | B. & L. R. R. . . | Public.                  | 40                   | 611     | . . .    |
| Alfred . . . .     | Broadway . .     | Medford line . .  | Private.                 | 50                   | . . .   | 50       |
| Allen . . . .      | Somerville ave.  | Charlestown st. . | Private.                 | 25                   | . . .   | 680      |
| Allen ct. . . .    | Park st. . . .   | Northwesterly . . | Private.                 | 20                   | . . .   | 150      |
| Alpine . . . .     | Cedar st. . . .  | Southeasterly . . | Private.                 | 30                   | . . .   | 670      |
| Alpine . . . .     | Alpine st. . .   | Lowell st. . . .  | Public.                  | 40                   | 688     | . . .    |
| Alston . . . .     | Cross st. . . .  | Shawmut pl. . .   | Private.                 | 40                   | . . .   | 420      |
| Ames . . . .       | Bartlett st. . . | Robinson st. . .  | Public.                  | 40                   | 580     | . . .    |
| Appleton . . . .   | Willow ave. . .  | Clifton st. . . . | Public.                  | 40                   | 510     | . . .    |
| Appleton . . . .   | Clifton st. . .  | Liberty ave. . .  | Private.                 | 40                   | . . .   | 120      |
| Arlington . . . .  | Franklin st. . . | Lincoln st. . . . | Public.                  | 40                   | 440     | . . .    |
| Arnold ave. . . .  | Porter st. . . . | Southeasterly . . | Private.                 | 15                   | . . .   | 127      |
| Arnold ct. . . .   | Beacon st. . .   | Northeasterly . . | Private.                 | 10                   | . . .   | 115      |
| Arthur ct. . . .   | Linden st. . .   | Easterly . . . .  | Private.                 | about 10             | . . .   | 100      |
| Arthur . . . .     | Broadway . .     | Bonair st. . . .  | Public.                  | 40                   | 438     | . . .    |
| Ash ave. . . .     | Meacham st. . .  | Northeasterly . . | Private.                 | 40                   | . . .   | 705      |
| Ashland . . . .    | Summer st. . .   | Sartwell ave. . . | Public.                  | 30                   | 478     | . . .    |
| Atherton . . . .   | Central st. . .  | Beech st. . . .   | Private.                 | 40                   | . . .   | 264      |
| Auburn ave. . . .  | Cross st. . . .  | B. & L. R. R. . . | Private.                 | 30                   | . . .   | 600      |
| Austin . . . .     | Broadway . .     | Mystic ave. . . . | Public.                  | 40                   | 680     | . . .    |
| Autumn . . . .     | Broadway . .     | Bonair st. . . .  | Private.                 | 20                   | . . .   | 420      |
| Avon . . . .       | School st. . .   | Central st. . . . | Public.                  | 40                   | 1,360   | . . .    |
| Avon pl. . . .     | Cross st. . . .  | B. & L. R. R. . . | Private.                 | 25                   | . . .   | 150      |
| Ayer ave. . . .    | Morrison ave. .  | Boston ave. . . . | Private.                 | 70                   | . . .   | 1,500    |
|                    |                  |                   |                          |                      |         |          |
| Banks . . . .      | Elm st. . . .    | Summer st. . . .  | Public.                  | 40                   | 639     | . . .    |
| Bartlett . . . .   | Vernon st. . .   | Medford st. . . . | Public.                  | 40                   | 820     | . . .    |
| Bartlett . . . .   | Medford st. . .  | Broadway. . . .   | Private.                 | 40                   | . . .   | 730      |
| Bartlett . . . .   | Washington st.   | Asylum grounds    | Private.                 | 20                   | . . .   | 200      |
| Bay State ave. .   | Broadway . .     | Fosket st. . . .  | Private.                 | 40                   | . . .   | 1,197    |
| Beach ave. . . .   | Webster ave. . . | Columbia st. . .  | Private.                 | about 20             | . . .   | 200      |
| Beacon pl. . . .   | Beacon st. . .   | Northeasterly . . | Private.                 | 15                   | . . .   | 200      |
| Beacon . . . .     | Cambridge line   | Somerville ave. . | Public.                  | 66                   | 6,100   | . . .    |
| Beacon ter. . . .  | Somerville ave.  | Northeasterly . . | Private.                 | 24                   | . . .   | 110      |
| Bean's ct. . . .   | Cutter st. . .   | Southeasterly . . | Private.                 | 16                   | . . .   | 100      |
| Bedford . . . .    | South st. . . .  | Cambridge line .  | Private.                 | 30                   | . . .   | 160      |
| Beech . . . .      | Somerville ave.  | Spring st. . . .  | Public.                  | 40                   | 800     | . . .    |
| Bellevue ter. . .  | Albion st. . .   | Northeasterly . . | Private.                 | 20                   | . . .   | 90       |
| Belmont . . . .    | Somerville ave.  | Highland ave. . . | Public.                  | 40                   | 2,175   | . . .    |
| Belmont pl. . . .  | Belmont st. . .  | Southeasterly . . | Private.                 | 25                   | . . .   | 175      |
| Benedict ave. . .  | Broadway . .     | Benedict st. . .  | Private.                 | 20                   | . . .   | 200      |
| Benedict . . . .   | Union st. . . .  | Austin st. . . .  | Public.                  | 40                   | 600     | . . .    |
| Bennett ct. . . .  | Bennett st. . .  | Prospect st. . .  | Private.                 | 10                   | . . .   | 100      |
| Bennett . . . .    | Prospect st. . . | Bennett ct. . . . | Private.                 | 40 to 25             | . . .   | 400      |
| Benton road . . .  | Summer st. . .   | Highland ave. . . | Private.                 | 40                   | . . .   | 924      |
| Benton ave. . . .  | Highland ave.    | Hudson st. . . .  | Public.                  | 40                   | 286     | . . .    |
| Berkeley . . . .   | School st. . .   | Central st. . . . | Public.                  | 40                   | 1,360   | . . .    |
| Berwick . . . .    | Lawrence st. . . | Northwesterly . . | Private.                 | 20                   | . . .   | 170      |
| Bigelow . . . .    | Boston st. . .   | High st. . . .    | Public.                  | 50                   | 208     | . . .    |
| Billingham . . . . | Broadway . .     | William st. . . . | Public.                  | 40                   | 563     | . . .    |
| Bishop's pl. . . . | Glen st. . . .   | Easterly . . . .  | Private.                 | 10                   | . . .   | 75       |
| Blakeley ave. . .  | Winthrop ave. .  | Cross st. . . .   | Private.                 | 40                   | . . .   | 630      |
| Bleachery ct. . .  | Somerville ave.  | Fitchburg R. R. . | Private.                 | 30                   | . . .   | 450      |
| Bolton . . . .     | Oak st. . . .    | Houghton st. . .  | Private.                 | 40                   | . . .   | 500      |



TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.           | FROM              | TO                 | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|-------------------|-------------------|--------------------|--------------------------|----------------------|---------|----------|
|                   |                   |                    |                          |                      | Public. | Private. |
| Bonair . . . .    | Cross st. . . .   | Walnut st. . . .   | Public.                  | 40                   | 1,470   | ...      |
| Bond . . . .      | Broadway . . .    | Jaques st. . . .   | Public.                  | 40                   | 640     | ...      |
| Bonner ave. . .   | Washington st.    | Columbus ave. .    | Public.                  | 40                   | 450     | ...      |
| Boston ave. . .   | Medford line . .  | Mystic river . . . | Public.                  | 60                   | 910     | ...      |
| Boston ave. . .   | Broadway . . .    | Medford line . .   | Public.                  | 50                   | 80      | ...      |
| Boston ave. . .   | Cedar st. . . .   | Broadway . . .     | Private.                 | 50                   | ...     | 1,120    |
| Boston . . . .    | Washington st.    | Prospect Hill ave. | Public.                  | 45                   | 630     | ...      |
| Boston . . . .    | Prospect Hill av. | Walnut st. . . .   | Public.                  | 40                   | 1,250   | ...      |
| Bow . . . .       | Union sq. . . .   | Wesley sq. . . .   | Public.                  | 60                   | 600     | ...      |
| Bow . . . .       | Wesley pk. . . .  | Somerville ave. .  | Public.                  | 50                   | 500     | ...      |
| Bowdoin . . . .   | Washington st.    | Southerly . . . .  | Private.                 | 40                   | ...     | 370      |
| Bowers ave. . .   | Cottage ave. . .  | Elm st. . . .      | Private.                 | 24                   | ...     | 288      |
| Bow St. pl. . .   | Bow st. . . .     | Northwesterly .    | Private.                 | 40                   | ...     | 300      |
| Bradford ave. .   | School st. . . .  | Southeasterly . .  | Private.                 | 40                   | ...     | 150      |
| Bradley . . . .   | Pearl st. . . .   | Walter st. . . .   | Public.                  | 40                   | 762     | ...      |
| Brastow ave. . .  | Lowell st. . . .  | Porter st. . . .   | Public.                  | 40                   | 686     | ...      |
| Bristol road . .  | Broadway . . .    | Medford line . .   | Private.                 | 40                   | ...     | 98       |
| Broadway . . .    | Charlestown line  | Cross st. . . .    | Public.                  | 100                  | 2,590   | ...      |
| Broadway . . .    | Cross st. . . .   | Marshall st. . .   | Public.                  | 100 to 200           | 2,060   | ...      |
| Broadway . . .    | Marshall st. . .  | Main st. . . .     | Public.                  | 100                  | 1,570   | ...      |
| Broadway . . .    | Main st. . . .    | Top of hill . . .  | Public.                  | 100 to 90            | 1,030   | ...      |
| Broadway . . .    | Top of hill . . . | Albion st. . . .   | Public.                  | 90                   | 2,540   | ...      |
| Broadway . . .    | Albion st. . . .  | Willow ave. . . .  | Public.                  | 90 to 70             | 1,030   | ...      |
| Broadway . . .    | Willow ave. . .   | Paulina st. . . .  | Public.                  | 70                   | 3,250   | ...      |
| Broadway . . .    | Paulina st. . . . | Arlington line . . | Public.                  | 65                   | 3,220   | ...      |
| Broadway pl. . .  | Broadway . . .    | Southwesterly .    | Private.                 | 22                   | ...     | 250      |
| Bromfield road .  | Elm st. . . .     | Professors' row .  | Private.                 | 40                   | ...     | 1,260    |
| Brook . . . .     | Glen st. . . .    | Cross st. . . .    | Public.                  | 40                   | 500     | ...      |
| Brook . . . .     | Dover st. . . .   | Northerly . . . .  | Private.                 | 40                   | ...     | 200      |
| Browning road .   | Sycamore st. . .  | Central st. . . .  | Public.                  | 40                   | 679     | ...      |
| Buckingham . .    | Beacon st. . . .  | Dimick st. . . .   | Public.                  | 40                   | 300     | ...      |
| Burnside ave. .   | Elm st. . . .     | Summer st. . . .   | Public.                  | 40                   | 720     | ...      |
| Caldwell pl. . .  | Washington st.    | Southerly . . . .  | Private.                 | 20                   | ...     | 210      |
| Calvin . . . .    | Beacon st. . . .  | Dimick st. . . .   | Private.                 | 40                   | ...     | 250      |
| Calvin . . . .    | Dimick st. . . .  | Washington st. .   | Private.                 | 30                   | ...     | 395      |
| Cambria . . . .   | Central st. . . . | Benton ave. . . .  | Public.                  | 40                   | 488     | ...      |
| Cameron ave. . .  | Holland st. . . . | Cambridge line . . | Public.                  | 60                   | 1,000   | ...      |
| Campbell pk. . .  | Meacham st. . .   | Kingston st. . . . | Public.                  | 40                   | 399     | ...      |
| Campbell Pk. pl.  | Kingston st. . .  | Arlington Br. R.R. | Private.                 | 20                   | ...     | 84       |
| Carlton . . . .   | Somerville ave. . | Lake st. . . .     | Public.                  | 40                   | 300     | ...      |
| Carver . . . .    | Porter st. . . .  | Northwesterly .    | Private.                 | 40                   | ...     | 156      |
| Cedar ave. . . .  | Cedar st. . . .   | Linden ave. . . .  | Private.                 | 22                   | ...     | 290      |
| Cedar St. pl. . . | Murdock st. . .   | Southwesterly .    | Private.                 | 20                   | ...     | 220      |
| Cedar St. pl. . . | Cedar n'r Elm st. | Southeasterly . .  | Private.                 | 12+                  | ...     | 80+      |
| Cedar . . . .     | Elm st. . . .     | Broadway . . . .   | Public.                  | 40                   | 4,150   | ...      |
| Central . . . .   | Somerville ave. . | Summer st. . . .   | Public.                  | 33                   | 1,150   | ...      |
| Central . . . .   | Summer st. . . .  | Medford st. . . .  | Public.                  | 40                   | 2,480   | ...      |
| Central . . . .   | Medford st. . . . | Broadway . . . .   | Public.                  | 45                   | 1,070   | ...      |
| Centre . . . .    | Albion st. . . .  | B. & L. R. R. . .  | Private.                 | 35                   | ...     | 200      |
| Chandler . . . .  | Park ave. . . .   | Broadway . . . .   | Public.                  | 40                   | 1,232   | ...      |
| Chapel . . . .    | Elm st. . . .     | Chandler st. . . . | Public.                  | 40                   | 273     | ...      |
| Chapel ct. . . .  | Sycamore st. . .  | Northwesterly .    | Private.                 | 12                   | ...     | 130      |
| Charles . . . .   | Washington st.    | Asylum grounds     | Private.                 | 30                   | ...     | 200      |
| Charlestown . .   | Allen st. . . .   | Easterly . . . .   | Private.                 | 15                   | ...     | 400      |
| Charnwood road .  | Willow ave. . . . | Gordonia road . .  | Public.                  | 40                   | 589     | ...      |
| Chauncey ave. .   | Broadway . . . .  | Mystic ave. . . .  | Public.                  | 50                   | 1,320   | ...      |
| *Chelsea . . . .  | Mystic ave. . . . | Melrose st. . . .  | Private.                 | 50                   | ...     | 1,390    |
| Cherry . . . .    | Elm st. . . .     | Highland ave. . .  | Public.                  | 45                   | 1,450   | ...      |
| Chester . . . .   | Elm st. . . .     | Cambridge line . . | Public.                  | 40                   | 850     | ...      |
| Chester ave. . .  | Medford st. . . . | Angle . . . .      | Public.                  | about 22             | 220     | ...      |
| Chester ave. . .  | Angle . . . .     | Cross st. . . .    | Private.                 | 20                   | ...     | 445      |
| Chester pl. . . . | Chester st. . . . | Northwesterly .    | Private.                 | 40                   | ...     | 200      |
| Chestnut . . . .  | Poplar st. . . .  | Southeasterly . .  | Private.                 | 40                   | ...     | 540      |

\*Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.— *Continued.*

| STREET.             | FROM              | To                  | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|---------------------|-------------------|---------------------|--------------------------|----------------------|---------|----------|
|                     |                   |                     |                          |                      | Public. | Private. |
| Church . . . .      | Summer st. . .    | Somerville ave. .   | Public.                  | 40                   | 560     | ...      |
| Church (south) .    | Somerville ave.   | Lake st. . . . .    | Public.                  | 40                   | 340     | ...      |
| Church St. pl. .    | Church st. (s'th) | Northwesterly . .   | Private.                 | 25                   | ...     | 170      |
| Claremon . . . .    | Holland st. . .   | Mead st. . . . .    | Public.                  | 40                   | 560     | ...      |
| Clarendon ave. .    | Broadway . . .    | Cambridge line . .  | Private.                 | 40                   | ...     | 1,210    |
| Clark . . . . .     | Newton st. . .    | Northwesterly . .   | Private.                 | 35                   | ...     | 450      |
| Cleveland . . . .   | Central st. . .   | Elm place . . . .   | Private.                 | 40                   | ...     | 270      |
| Clifton . . . . .   | Appleton st. . .  | Morrison st. . . .  | Public.                  | 40                   | 240     | ...      |
| Clifton . . . . .   | Morrison st. . .  | Arlington Br.R.R.   | Private.                 | 40                   | ...     | 220      |
| Clyde . . . . .     | Cedar st. . . .   | Murdock st. . . .   | Private.                 | 30                   | ...     | 600      |
| College ave. . . .  | Broadway . . .    | Medford line . . .  | Public.                  | 50                   | 1,700   | ...      |
| Columbia . . . . .  | Glass House ct.   | Cambridge line . .  | Private.                 | 40                   | ...     | 550      |
| Columbia ct. . . .  | Columbia st. . .  | Webster ave. . . .  | Private.                 | 9                    | ...     | 150      |
| Columbus ave. . .   | Land of Clark .   | Walnut st. . . . .  | Public.                  | 40                   | 1,000   | ...      |
| Columbus ct. . . .  | Washington st.    | Northerly . . . .   | Private.                 | 30                   | ...     | 100      |
| Concord ave. . . .  | Prospect st. . .  | Leon st. . . . .    | Public.                  | 40                   | 1,500   | ...      |
| Concord ave. . . .  | Leon st. . . . .  | Beacon st. . . . .  | Private.                 | 30                   | ...     | 470      |
| Congress pl. . . .  | Linwood st. . .   | Southwesterly . .   | Private.                 | 16                   | ...     | 200      |
| Conlon ct. . . . .  | Columbia st. . .  | Easterly . . . . .  | Private.                 | 20                   | ...     | 200      |
| Conwell ave. . . .  | Curtis st. . . .  | Westerly . . . . .  | Private.                 | 40                   | ...     | 600      |
| Conwell . . . . .   | Highland ave. .   | Southwesterly . .   | Private.                 | 35                   | ...     | 360      |
| Cook . . . . .      | Marion st. . . .  | So. Wyatt st. . . . | Public.                  | 40                   | 268     | ...      |
| Cook . . . . .      | So. Wyatt st. . . | Northwesterly . .   | Private.                 | 40                   | ...     | 182      |
| Cooney . . . . .    | Beacon st. . . .  | Line st. . . . .    | Private.                 | 26                   | ...     | 220      |
| Cottage ave. . . .  | Russell st. . . . | Chester st. . . . . | Public.                  | 40                   | 500     | ...      |
| Cottage circle . .  | Cottage ave. . .  | Southwesterly . .   | Private.                 | 25                   | ...     | 87       |
| Cottage pl. . . . . | Washington st.    | Northwesterly . .   | Private.                 | about 11             | ...     | 150      |
| Craigie . . . . .   | Somerville ave.   | Summer st. . . . .  | Public.                  | 50                   | 1,250   | ...      |
| Crescent . . . . .  | Washington st.    | Pearl st. . . . .   | Private.                 | 30 to 38             | ...     | 650      |
| Crocker . . . . .   | Highland ave. .   | Crown st. . . . .   | Public.                  | 40                   | 528     | ...      |
| Cross . . . . .     | Medford St. . .   | Broadway . . . . .  | Public.                  | 45                   | 2,650   | ...      |
| Cross . . . . .     | Broadway . . . .  | Mystic ave. . . . . | Public.                  | 40                   | 1,100   | ...      |
| Cross St. pl. . . . | Cross St. . . . . | Northwesterly . .   | Private.                 | 24                   | ...     | 150      |
| Crown . . . . .     | Porter st. . . .  | Lowell st. . . . .  | Private.                 | 30                   | ...     | 700      |
| Curtis . . . . .    | Broadway . . . .  | Medford line . . .  | Public.                  | 40                   | 2,300   | ...      |
| Cutler . . . . .    | Lawrence st. . .  | Northwesterly . .   | Private.                 | 20                   | ...     | 170      |
| Cutter . . . . .    | Broadway . . . .  | Webster st. . . . . | Public.                  | 40                   | 740     | ...      |
| Cutter ave. . . . . | Summer st. . . .  | Highland ave. . .   | Public.                  | 40                   | 430     | ...      |
| Cypress . . . . .   | Central st. . . . | Beech st. . . . .   | Public.                  | 40                   | 262     | ...      |
|                     |                   |                     |                          |                      |         |          |
| Dana . . . . .      | Bonair st. . . .  | Pearl st. . . . .   | Public.                  | 40                   | 690     | ...      |
| Dane . . . . .      | Somerville ave.   | Washington st. . .  | Public.                  | 40                   | 1,270   | ...      |
| Dane ave. . . . .   | Dane st. . . . .  | Easterly . . . . .  | Private.                 | 30                   | ...     | 600      |
| Dartmouth . . . .   | Medford st. . . . | Broadway . . . . .  | Public.                  | 40                   | 1,450   | ...      |
| Day . . . . .       | Elm st. . . . .   | Cambridge line . .  | Public.                  | 40                   | 940     | ...      |
| *Dean ave. . . . .  | Morrison ave. . . | Boston ave. . . . . | Private.                 | 40                   | ...     | 1,145    |
| Delaware . . . . .  | Aldrich st. . . . | Pearl st. . . . .   | Public.                  | 40                   | 451     | ...      |
| Dell . . . . .      | Glen st. . . . .  | Tufts st. . . . .   | Public.                  | 40                   | 466     | ...      |
| Derby . . . . .     | Temple st. . . .  | Grant st. . . . .   | Public.                  | 40                   | 831     | ...      |
| Derby . . . . .     | Grant st. . . . . | Wheatland st. . .   | Private.                 | 40                   | ...     | 200      |
| Dexter . . . . .    | Broadway . . . .  | Medford line . . .  | Private.                 | 50                   | ...     | 25       |
| Dickinson . . . . . | Springfield st. . | Beacon st. . . . .  | Public.                  | 40                   | 770     | ...      |
| Dickson . . . . .   | Broadway . . . .  | Fairmount ave. . .  | Private.                 | 40                   | ...     | 271      |
| Dimick . . . . .    | Concord ave. . .  | Calvin st. . . . .  | Private.                 | 40                   | ...     | 860      |
| Distillhouse . . .  | South st. . . . . | Cambridge line . .  | Private.                 | 35                   | ...     | 150      |
| Dix pl. . . . .     | Linwood st. . . . | Southwesterly . .   | Private.                 | 10                   | ...     | 100      |
| Dover . . . . .     | Elm st. . . . .   | Cambridge line . .  | Public.                  | 40                   | 940     | ...      |
| Dow . . . . .       | North st. . . . . | Easterly . . . . .  | Private.                 | 40                   | ...     | 645      |
| Downer pl. . . . .  | Downer st. . . .  | B. & L. R. R. . .   | Private.                 | 20                   | ...     | 125      |
| Downer . . . . .    | Nashua st. . . .  | Southeasterly . .   | Private.                 | 20                   | ...     | 120      |
| Dresden circle . .  | Cutter ave. . . . | Westerly . . . . .  | Private.                 | 30                   | ...     | 133      |
| Durham . . . . .    | Beacon st. . . .  | Hanson st. . . . .  | Private.                 | 40                   | ...     | 450      |
|                     |                   |                     |                          |                      |         |          |
| Earle . . . . .     | South st. . . . . | Fitchburg R. R. . . | Private.                 | 30                   | ...     | 322      |

\*Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.            | FROM               | To                  | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|--------------------|--------------------|---------------------|--------------------------|----------------------|---------|----------|
|                    |                    |                     |                          |                      | Public. | Private. |
| East Albion . .    | Mt. Vernon ave.    | E. of Moreland st.  | Private.                 | 25                   | ...     | 188      |
| East Albion . .    | E. of Moreland st. | Medford line . .    | Private.                 | 40                   | ...     | 490      |
| Eastman pl. . .    | Highland ave. .    | Southwesterly . .   | Private.                 | 40                   | ...     | 300      |
| *Edgeworth . .     | Mystic ave. . .    | Melrose st. . . .   | Private.                 | 50                   | ...     | 1,380    |
| Edmands . . . .    | Broadway . . .     | Southwesterly . .   | Private.                 | 40                   | ...     | 525      |
| Edmonton ave. .    | Cross st. . . .    | Winthrop ave. . .   | Private.                 | 40                   | ...     | 630      |
| Electric ave. . .  | Curtis st. . . .   | Packard ave. . . .  | Public.                  | 40                   | 681     | ...      |
| Eliot . . . . .    | Vine st. . . . .   | Park st. . . . .    | Public.                  | 40                   | 260     | ...      |
| Ellington road .   | Highland ave. .    | Northeasterly . .   | Private.                 | 35                   | ...     | 120      |
| Ellington road .   | West st. . . . .   | Northwesterly . .   | Private.                 | 30                   | ...     | 405      |
| Ellsworth . . .    | Cross st. . . . .  | Rush st. . . . .    | Public.                  | 40                   | 210     | ...      |
| Elm ct. . . . .    | Villa ave. . . .   | Northwesterly . .   | Private.                 | 18                   | ...     | 70       |
| Elm pl. . . . .    | Harvard st. . .    | East'y & west'y     | Private.                 | 30                   | ...     | 400      |
| Elm . . . . .      | Somerville ave.    | Cherry st. . . . .  | Public.                  | 63                   | 1,500   | ...      |
| Elm . . . . .      | Cherry st. . . .   | White st. . . . .   | Public.                  | 63 to 60             | 330     | ...      |
| Elm . . . . .      | White st. . . .    | Banks st. . . . .   | Public.                  | 60                   | 660     | ...      |
| Elm . . . . .      | Banks st. . . .    | Beech st. . . . .   | Public.                  | 60 to 77.5           | 290     | ...      |
| Elm . . . . .      | Beech st. . . .    | Tenney st. . . . .  | Public.                  | 77.5 to 60           | 570     | ...      |
| Elm . . . . .      | Tenney st. . . .   | Medford line . .    | Public.                  | 60                   | 4,300   | ...      |
| Elmwood . . . .    | Holland st. . .    | Cambridge line .    | Private.                 | 40                   | ...     | 970      |
| Elmwood ter. .     | Elmwood st. . .    | Easterly . . . . .  | Private.                 | 20                   | ...     | 190      |
| Elston . . . . .   | Elm st. . . . .    | Summer st. . . .    | Public.                  | 40                   | 396     | ...      |
| Emerson . . . .    | Everett st. . .    | Newton st. . . . .  | Private.                 | 30                   | ...     | 170      |
| Emery . . . . .    | Fitchburg R.R.     | South st. . . . .   | Private.                 | 30                   | ...     | 335      |
| Endicott ave. .    | Broadway . . .     | Southwesterly . .   | Private.                 | 40                   | ...     | 800      |
| Essex . . . . .    | Medford st. . .    | Richdale ave. . .   | Public.                  | 40                   | 232     | ...      |
| Eustis . . . . .   | Beacon st. . . .   | Southwest . . . .   | Private.                 | 30                   | ...     | 150      |
| Everett . . . . .  | Webster ave. . .   | Newton st. . . . .  | Private.                 | 30                   | ...     | 350      |
| Everett ave. . .   | Cross st. . . . .  | Dana st. . . . .    | Public.                  | 40                   | 800     | ...      |
| Evergreen ave. .   | Marshall st. . .   | Sycamore st. . . .  | Public.                  | 40                   | 1,320   | ...      |
| Evergreen sq. .    | Porter st. . . .   | Southeasterly . .   | Private.                 | 8                    | ...     | 200      |
| Fairlee . . . . .  | Cherry st. . . .   | Northwesterly . .   | Private.                 | 30                   | ...     | 150      |
| Fairmount ave. .   | Curtis st. . . .   | Northwesterly . .   | Private.                 | 40                   | ...     | 700      |
| Fairview ter. . .  | Sycamore st. . .   | Southwesterly . .   | Private.                 | 15                   | ...     | 173      |
| Fanning ave. . .   | Highland ave. .    | Lexington ave. .    | Public.                  | 50                   | 376     | ...      |
| Farragut ave. . .  | Broadway . . .     | Southwesterly . .   | Private.                 | 40                   | ...     | 840      |
| Fenwick . . . . .  | Broadway . . .     | Heath st. . . . .   | Public.                  | 40                   | 340     | ...      |
| Fisk ave. . . . .  | Hinckley st. . .   | Lowell st. . . . .  | Private.                 | 20 & 25              | ...     | 460      |
| Fitchburg ct. . .  | Fitchburg st. . .  | Southeasterly . .   | Private.                 | 10                   | ...     | 225      |
| Fitchburg . . . .  | Linwood st. . .    | B. & L. R. R. . .   | Private.                 | 40                   | ...     | 400      |
| Flint ave. . . . . | Flint st. . . . .  | Northerly . . . .   | Private.                 | 40                   | ...     | 200      |
| Flint . . . . .    | Franklin st. . .   | Aldrich st. . . . . | Public.                  | 40                   | 1,773   | ...      |
| Florence . . . .   | Washington st.     | Perkins st. . . . . | Public.                  | 40                   | 1,280   | ...      |
| Florence ter. . .  | Jaques st. . . .   | Southwesterly . .   | Private.                 | 20                   | ...     | 90       |
| Forest . . . . .   | Beacon st. . . .   | Cambridge line .    | Public.                  | 40                   | 150     | ...      |
| Forster . . . . .  | Sycamore st. . .   | Central st. . . . . | Private.                 | 30                   | ...     | 430      |
| Fosket . . . . .   | Willow ave. . .    | Liberty ave. . . .  | Private.                 | 40                   | ...     | 670      |
| Fountain ave. . .  | Cross st. . . . .  | Glen st. . . . .    | Private.                 | 30                   | ...     | 550      |
| Francesca ave. .   | Elm st. . . . .    | Liberty ave. . . .  | Public.                  | 40                   | 762     | ...      |
| Francis . . . . .  | Porter st. . . .   | Conwell st. . . .   | Private.                 | 30                   | ...     | 180      |
| Franklin ave. . .  | Washington st.     | Franklin st. . . .  | Private.                 | 20                   | ...     | 500      |
| Franklin ct. . . . | Somerville ave.    | B. & L. R. R. . .   | Private.                 | ...                  | ...     | 200      |
| Franklin pl. . . . | Franklin st. . .   | Southeasterly . .   | Private.                 | 15                   | ...     | 100      |
| Franklin . . . . . | Broadway . . .     | Washington st. .    | Public.                  | 40+                  | 2,230   | ...      |
| *Frederick ave. .  | Willow ave. . .    | Cedar st. . . . .   | Private.                 | 45                   | ...     | 1,360    |
| Fremont ave. . .   | Parker st. . . .   | East'y & West'y     | Private.                 | 30                   | ...     | 235      |
| Fremont . . . . .  | Main st. . . . .   | Near Mystic ave.    | Private.                 | 40                   | ...     | 1,397    |
| Frost ave. . . .   | Somerville ave.    | Dane st. . . . .    | Private.                 | 35                   | ...     | 550      |
| Garden ct. . . .   | Somerville ave.    | Fitchburg R. R. .   | Private.                 | 25                   | ...     | 370      |
| Garfield ave. . .  | Broadway . . .     | Middlesex ave. . .  | Private.                 | 40                   | ...     | 1,430    |
| Garrison ave. . .  | Broadway . . .     | Southwesterly . .   | Private.                 | 40                   | ...     | 850      |
| George . . . . .   | Broadway . . .     | Lincoln ave. . . .  | Private.                 | 30                   | ...     | 350      |

\* Proposed.



TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.— *Continued.*

| STREET.          | FROM             | TO              | Public<br>or<br>Private | Width<br>in<br>Feet. | LENGTH. |          |
|------------------|------------------|-----------------|-------------------------|----------------------|---------|----------|
|                  |                  |                 |                         |                      | Public. | Private. |
| Gibbens . . .    | Central st. . .  | Benton ave. . . | Public.                 | 40                   | 492     | .. .     |
| Giles pl. . . .  | Walnut st. . .   | Northwesterly   | Private.                | 32.71                | .. .    | 168      |
| Gill's ct. . . . | Franklin st. .   | Westerly . . .  | Private.                | 10                   | .. .    | 100      |
| Gilman . . . .   | Cross st. . . .  | Walnut st. . .  | Public.                 | 40                   | 1,430   | .. .     |
| Gilman ter. . .  | Pearl st. . . .  | Northeasterly   | Private.                | 40                   | .. .    | 360      |
| Gilson ter. . .  | Linden ave. . .  | Northwesterly   | Private.                | 20                   | .. .    | 124      |
| Glass House ct.  | Webster ave. .   | Easterly . . .  | Private.                | 40                   | .. .    | 200      |
| Glen . . . . .   | Broadway . . .   | Tufts st. . . . | Public.                 | 40                   | 2,300   | .. .     |
| Glendale ave. .  | Cameron ave. .   | Yorktown st. .  | Private.                | 40                   | .. .    | 410      |
| Glover circle .  | Meacham st. .    | Southeasterly   | Private.                | 20                   | .. .    | 110      |
| Gordonia road .  | Summer st. . .   | Highland ave. . | Private.                | 40                   | .. .    | 521      |
| Gorham . . . .   | Holland st. . .  | Howard st. . .  | Public.                 | 40                   | 763     | .. .     |
| Gould ave. . .   | Porter st. . .   | Southeasterly   | Private.                | 16                   | .. .    | 156      |
| Grand View ave.  | Walnut st. . .   | Vinal ave. . .  | Public.                 | 40                   | 470     | .. .     |
| Granite . . . .  | Somerville ave.  | Osgood st. . .  | Private.                | 40                   | .. .    | 400      |
| Grant . . . . .  | Broadway . . .   | Jaques st. . .  | Public.                 | 40                   | 536     | .. .     |
| Grant . . . . .  | Jaques st. . .   | Mystic ave. . . | Private.                | 40                   | .. .    | 814      |
| Greene . . . .   | Summer st. . .   | Laurel st. . .  | Public.                 | 40                   | 555     | .. .     |
| Greenville . .   | Medford st. .    | High st. . . .  | Public.                 | 40                   | 660     | .. .     |
| Greenwood ter. . | Beacon st. . .   | Northeasterly   | Private.                | 25                   | .. .    | 165      |
| Grove . . . . .  | Elm st. . . . .  | Morrison st. .  | Public.                 | 40                   | 985     | .. .     |
| Hadley ct. . .   | Franklin st. .   | Westerly . . .  | Private.                | 20                   | .. .    | 150      |
| Hall ave. . . .  | Elm st. . . . .  | Liberty ave. .  | Public.                 | 40                   | 926     | .. .     |
| Hall . . . . .   | Cedar st. . . .  | Cherry st. . .  | Private.                | 30                   | .. .    | 350      |
| Hamlet . . . .   | Highland ave. .  | Southwesterly   | Private.                | 30                   | .. .    | 400      |
| Hammond . . .    | Dickinson st. .  | Concord ave. .  | Private.                | 40                   | .. .    | 273      |
| Hancock . . .    | Elm st. . . . .  | Summer st. . .  | Public.                 | 40                   | 781     | .. .     |
| Hanson ave. . .  | Hanson st. . .   | Easterly . . .  | Private.                | 30                   | .. .    | 252      |
| Hanson . . . .   | Washington st.   | Vine st. . . .  | Private.                | 35                   | .. .    | 750      |
| Harding . . . .  | South st. . . .  | Cambridge line  | Private.                | 30                   | .. .    | 115      |
| Harris . . . .   | Beacon st. . .   | Cambridge line  | Private.                | 35                   | .. .    | 150      |
| Harrison . . .   | Ivaloo st. . .   | Kent st. . . .  | Public.                 | 40                   | 644     | .. .     |
| Harrison . . .   | Elmwood st. .    | Southeasterly   | Private.                | 40                   | .. .    | 210      |
| Harvard pl. . .  | Harvard st. . .  | Westerly . . .  | Private.                | 35                   | .. .    | 200      |
| Harvard . . .    | Summer st. . .   | Beech st. . . . | Public.                 | 40                   | 650     | .. .     |
| Hathorn . . . .  | Broadway . . .   | Arlington st. . | Public.                 | 40                   | 330     | .. .     |
| Hawkins . . . .  | Somerville ave.  | Washington st.  | Public.                 | 40                   | 330     | .. .     |
| Hawthorne . .    | Willow ave. . .  | Cutter ave. . . | Private.                | 30                   | .. .    | 810      |
| Hayden ter. . .  | Linden ave. . .  | Easterly . . .  | Private.                | 20                   | .. .    | 120      |
| Heath . . . . .  | Temple st. . .   | Bond st. . . .  | Public.                 | 45                   | 1,043   | .. .     |
| Heath . . . . .  | Bond st. . . .   | Moreland st. .  | Private.                | 45                   | .. .    | 750      |
| Henderson . . .  | Richardson st. . | B. & L. R. R.   | Private.                | 20                   | .. .    | 535      |
| Hennessey ct. .  | Medford st. .    | Fisk ave. . . . | Private.                | 20                   | .. .    | 250      |
| Henry ave. . .   | Highland ave. .  | Lexington ave.  | Private.                | 40                   | .. .    | 290      |
| Herbert . . . .  | Chester st. . .  | Day st. . . .   | Public.                 | 40                   | 360     | .. .     |
| Hersey . . . .   | Berkeley st. .   | Oxford st. . .  | Private.                | 40                   | .. .    | 230      |
| Highland ave. .  | Medford st. .    | Davis sq. . . . | Public.                 | 60                   | 9,100   | .. .     |
| Hill . . . . .   | Broadway . . .   | Fairmount ave.  | Private.                | 40                   | .. .    | 286      |
| Hillside ave. .  | Pearl st. . . .  | Southwesterly   | Private.                | 30                   | .. .    | 150      |
| Hillside pk. . . | Walnut st. . .   | Northwesterly   | Private.                | 40                   | .. .    | 245      |
| Hinckley . . .   | Broadway . . .   | Lawrence st. .  | Private.                | 30                   | .. .    | 430      |
| Hodgdon pl. . .  | Dane ct. . . .   | Northeasterly   | Private.                | about 20             | .. .    | 150      |
| Holland . . . .  | Davis sq. . . .  | Broadway . . .  | Public.                 | 60                   | 2,650   | .. .     |
| Holt's ave. . .  | Oak st. . . . .  | Southeasterly   | Private.                | 10                   | .. .    | 100      |
| Homer sq. . . .  | Bonner ave. . .  | Northwesterly   | Private.                | 30+                  | .. .    | 200      |
| Horace . . . .   | South st. . . .  | Fitchburg R. R. | Private.                | 30                   | .. .    | 510      |
| Houghton . . .   | Oak st. . . . .  | Springfield st. | Public.                 | 40                   | 204     | .. .     |
| Houghton . . .   | Springfield st.  | Prospect st. .  | Private.                | 40                   | .. .    | 546      |
| Howard . . . .   | Thorndike st. .  | Gorham st. . .  | Private.                | 40                   | .. .    | 430      |
| Howard . . . .   | Whipple st. . .  | Willow ave. . . | Private.                | 30                   | .. .    | 255      |
| Howe . . . . .   | Marshall st. .   | School st. . .  | Public.                 | 40                   | 445     | .. .     |
| Hudson . . . .   | Central st. . .  | Cedar st. . . . | Public.                 | 40                   | 2,760   | .. .     |
| Hunting . . . .  | South st. . . .  | Cambridge line  | Private.                | 30                   | .. .    | 125      |



TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.— *Continued.*

| STREET.            | FROM               | TO                  | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|--------------------|--------------------|---------------------|--------------------------|----------------------|---------|----------|
|                    |                    |                     |                          |                      | Public. | Private. |
| Ibbetson . . .     | Somerville ave.    | Lowell st. . . .    | Public.                  | 40                   | 802     | . . .    |
| Irving . . . .     | Holland st. . .    | Broadway . . . .    | Public.                  | 40                   | 1,180   | . . .    |
| Ivaloo . . . .     | Beacon st. . . .   | Park st. . . . .    | Public.                  | 40                   | 650     | . . .    |
| Jackson . . . .    | Medford st. . .    | Maple st. . . . .   | Private.                 | 30                   | . . .   | 150      |
| James . . . . .    | Pearl st. . . . .  | Veazie st. . . . .  | Public.                  | 40                   | 320     | . . .    |
| Jakes . . . . .    | Chauncey ave. .    | Temple st. . . . .  | Public.                  | 40                   | 1,200   | . . .    |
| Jakes . . . . .    | Temple st. . . .   | Bond st. . . . .    | Public.                  | 45                   | 1,050   | . . .    |
| Jasper pl. . . .   | Jasper st. . . .   | Walnut st. . . . .  | Private.                 | 20                   | . . .   | 225      |
| Jasper . . . . .   | Pearl st. . . . .  | Gihnan st. . . . .  | Private.                 | 40                   | . . .   | 300      |
| Jay . . . . .      | Holland st. . . .  | Howard st. . . . .  | Public.                  | 40                   | 534     | . . .    |
| Jenny Lind ave..   | Vernon st. . . .   | Broadway . . . .    | Public.                  | 40                   | 1,507   | . . .    |
| Jerome ct. . . .   | Sycamore st. . .   | Jerome st. . . . .  | Private.                 | 10                   | . . .   | 150      |
| Jerome . . . . .   | Montrose st. . .   | Jerome ct. . . . .  | Private.                 | 20                   | . . .   | 125      |
| Joseph . . . . .   | Newton st. . . .   | Northwesterly . .   | Public.                  | 40                   | 385     | . . .    |
| Josephine ave..    | Morrison ave. .    | Broadway . . . .    | Private.                 | 45                   | . . .   | 1,715    |
| Joy . . . . .      | Washington st.     | Poplar st. . . . .  | Public.                  | 30                   | 1,121   | . . .    |
| Joy St. pl. . . .  | Joy st. . . . .    | Southwesterly . .   | Private.                 | 30                   | . . .   | 175      |
| Kensington ave.    | Broadway . . . .   | Blakeley ave. . .   | Private.                 | 40                   | . . .   | 440      |
| Kent ct. . . . .   | Kent st. . . . .   | Northerly . . . .   | Private.                 | about 25             | . . .   | 420      |
| Kent . . . . .     | Somerville ave.    | Fitchburg R. R. .   | Public.                  | 40 <sup>+</sup>      | 292     | . . .    |
| Kent . . . . .     | Fitchburg R.R.     | Beacon st. . . . .  | Public.                  | 25                   | 286     | . . .    |
| Kenwood . . . .    | Elm st. . . . .    | Billingham st. . .  | Public.                  | 40                   | 322     | . . .    |
| Kidder ave. . . .  | Elm st. . . . .    | Liberty ave. . . .  | Public.                  | 40                   | 625     | . . .    |
| Kidder ave. . . .  | Liberty ave. . . . | Willow ave. . . .   | Private.                 | 40                   | . . .   | 655      |
| Kilby . . . . .    | Somerville ave.    | Southwesterly . .   | Private.                 | 20                   | . . .   | 180      |
| Kimball . . . . .  | Lowell st. . . .   | Craigie st. . . . . | Private.                 | 40                   | . . .   | 303      |
| Kingman ct. . . .  | Washington st.     | Fitchburg R. R. .   | Private.                 | 25                   | . . .   | 400      |
| Kingston . . . .   | Meacham st. . .    | Cambridge line . .  | Public.                  | 40                   | 647     | . . .    |
| Knapp . . . . .    | School st. . . .   | Granite st. . . . . | Public.                  | 40                   | 379     | . . .    |
| Knowlton . . . .   | Oliver st. . . .   | Tufts st. . . . .   | Private.                 | 40                   | . . .   | 925      |
| Lake . . . . .     | Hawkins st. . . .  | Church st. . . . .  | Public.                  | 40                   | 860     | . . .    |
| Lamson ct. . . .   | Linwood st. . . .  | Poplar st. . . . .  | Private.                 | 20                   | . . .   | 370      |
| Landers . . . . .  | School st. . . . . | Westerly . . . . .  | Private.                 | 40                   | . . .   | 280      |
| Laurel ave. . . .  | Laurel st. . . . . | Northwesterly . .   | Private.                 | 18                   | . . .   | 125      |
| Laurel . . . . .   | Somerville ave.    | Summer st. . . . .  | Public.                  | 40                   | 940     | . . .    |
| Lawrence . . . .   | Hinckley st. . .   | B. & L. R. R. . . . | Private.                 | 35                   | . . .   | 650      |
| Lawrence . . . .   | Boston ave. . . .  | Southwesterly . .   | Private.                 | 35                   | . . .   | 710      |
| Lawson ter. . . .  | Putnam st. . . .   | Easterly . . . . .  | Private.                 | 5                    | . . .   | 200      |
| Lee . . . . .      | Medford st. . . .  | Richdale ave. . . . | Public.                  | 40                   | 385     | . . .    |
| Leland . . . . .   | Washington st.     | Northeasterly . .   | Private.                 | 40                   | . . .   | 250      |
| Leon . . . . .     | Concord ave. . .   | Dickinson st. . . . | Public.                  | 40                   | 155     | . . .    |
| Leonard pl. . . .  | Joy st. . . . .    | Northeasterly . .   | Private.                 | 13+                  | . . .   | 98       |
| Lesley ave. . . .  | Highland ave. . .  | Lexington ave. . .  | Private.                 | 40                   | . . .   | 333      |
| Leslie pl. . . . . | Highland ave. . .  | Northerly . . . . . | Private.                 | 12                   | . . .   | 75       |
| Lester ter. . . .  | Meacham st. . . .  | Northwesterly . .   | Private.                 | 20                   | . . .   | 190      |
| Lexington ave. . . | Willow ave. . . .  | Cedar st. . . . .   | Private.                 | 50                   | . . .   | 1,360    |
| Liberty ave. . . . | Appleton st. . . . | Broadway . . . . .  | Private.                 | 40                   | . . .   | 1,495    |
| Lincoln ave. . . . | Lincoln st. . . .  | Mt. Vernon st. . .  | Private.                 | 40                   | . . .   | 450      |
| Lincoln pl. . . .  | Lincoln ave. . . . | Northerly . . . . . | Private.                 | 9                    | . . .   | 120      |
| Lincoln . . . . .  | Broadway . . . .   | Perkins st. . . . . | Public.                  | 40                   | 550     | . . .    |
| Linden ave. . . .  | Elm st. . . . .    | Summer st. . . . .  | Public.                  | 45                   | 1,050   | . . .    |
| Linden ave. . . .  | Summer st. . . .   | Northeasterly . .   | Private.                 | 45                   | . . .   | 250      |
| Linden circle . .  | Linden ave. . . .  | Southeasterly . .   | Private.                 | 24                   | . . .   | 120      |
| Linden pl. . . . . | Linden ave. . . .  | Northwesterly . .   | Private.                 | 20                   | . . .   | 160      |
| Linden . . . . .   | Somerville ave.    | Fitchburg R. R. .   | Private.                 | 30                   | . . .   | 705      |
| Line . . . . .     | Washington st.     | Cambridge line . .  | Private.                 | 33                   | . . .   | 1,750    |
| Linehan ct. . . .  | Linwood st. . . .  | Chestnut st. . . .  | Private.                 | about 15             | . . .   | 200      |
| Linwood pl. . . .  | Linwood st. . . .  | Southwesterly . .   | Private.                 | about 12             | . . .   | 150      |
| Linwood . . . . .  | Somerville ave.    | Washington st. . .  | Public.                  | 50                   | 2,050   | . . .    |
| London . . . . .   | Linwood st. . . .  | B. & L. R. R. . . . | Private.                 | 40                   | . . .   | 340      |
| Loring . . . . .   | Somerville ave.    | Northeasterly . .   | Private.                 | 40                   | . . .   | 460      |

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.           | FROM             | To                 | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|-------------------|------------------|--------------------|--------------------------|----------------------|---------|----------|
|                   |                  |                    |                          |                      | Public. | Private. |
| Louisburg pl.     | Autumn st.       | Easterly           | Private.                 | 13                   | ...     | 90       |
| Lovell            | Broadway         | Electric ave.      | Private.                 | 40                   | ...     | 385      |
| Lowden ave.       | Broadway         | Fosket st.         | Private.                 | 40                   | ...     | 1,205    |
| Lowell            | Somerville ave.  | Crown st.          | Private.                 | 33+                  | ...     | 1,608    |
| Lowell            | Crown st.        | Albion st.         | Public.                  | 40                   | 972     | ...      |
| Lowell            | Albion st.       | L. & A. Br'ch R.R. | Private.                 | 40                   | ...     | 540      |
| Lowell            | B. & L. R. R.    | Vernon st.         | Private.                 | 33+                  | ...     | 60       |
| Lowell            | Vernon st.       | Medford st.        | Public.                  | 40                   | 1,141   | ...      |
| Lowell ter.       | Lowell st.       | Northwesterly      | Private.                 | 20                   | ...     | 150      |
| Madison           | School st.       | Sycamore st.       | Public.                  | 40                   | 891     | ...      |
| Main              | Broadway         | Medford line       | Public.                  | 50                   | 950     | ...      |
| *Malden           | Mystic ave.      | Melrose st.        | Private.                 | 50                   | ...     | 1,360    |
| Mallet            | Willow ave.      | Liberty ave.       | Private.                 | 40                   | ...     | 580      |
| Malloy ct.        | Somerville ave.  | Merriam st.        | Private.                 | 30                   | ...     | 255      |
| Malvern ave.      | Cameron ave.     | Yorktown st.       | Private.                 | 40                   | ...     | 410      |
| Mansfield         | Somerville ave.  | Washington st.     | Private.                 | 40                   | ...     | 730      |
| Maple ave.        | School st.       | Southeasterly      | Private.                 | 40                   | ...     | 300      |
| Maple pl.         | Marshall st.     | Maple ave.         | Private.                 | 5                    | ...     | 125      |
| Maple             | Poplar st.       | Jackson st.        | Private.                 | 30                   | ...     | 470      |
| Marion            | Concord ave.     | Adrian st.         | Public.                  | 40                   | 261     | ...      |
| Marshall          | Broadway         | Pearl st.          | Public.                  | 40                   | 1,650   | ...      |
| Mason ave.        | Orchard st.      | Cambridge line     | Private.                 | 35                   | ...     | 220      |
| May pl.           | Hawkins st.      | Easterly           | Private.                 | 12                   | ...     | 100      |
| McCulpeh pl.      | Medford st.      | Easterly           | Private.                 | 10                   | ...     | 110      |
| McGregor pl.      | Wigglesworth st. | Walnut st.         | Private.                 | about 10             | ...     | 250      |
| Meacham           | Arlington B R R  | Cambridge line     | Public.                  | 40                   | 658     | ...      |
| Meacham           | Mt. Vernon ave.  | Medford line       | Private.                 | 40                   | ...     | 800      |
| Mead              | Cameron ave.     | Moore st.          | Private.                 | 40                   | ...     | 340      |
| Medford           | Cambridge line   | Central st.        | Public.                  | 50                   | 8,150   | ...      |
| Medford           | Central st.      | Broadway           | Public.                  | 55                   | 1,950   | ...      |
| Melburn pl.       | Summer st.       | Northeasterly      | Private.                 | 30                   | ...     | 125      |
| Melledew ct.      | Belmont st.      | Easterly           | Private.                 | 15                   | ...     | 137      |
| Melrose           | Mystic ave.      | Middlesex ave.     | Private.                 | 50                   | ...     | 2,310    |
| Melvin            | Broadway         | Bonair st.         | Private.                 | 40                   | ...     | 487      |
| Merriam ave.      | Merriam st.      | Malloy ct.         | Private.                 | 15                   | ...     | 255      |
| Merriam           | Somerville ave.  | Charlestown st.    | Private.                 | 30                   | ...     | 500      |
| Middlesex ave.    | Mystic ave.      | Medford line       | Public.                  | 60                   | 3,400   | ...      |
| Milk pl.          | Somerville ave.  | Southwesterly      | Private.                 | about 30             | ...     | 100      |
| Miller            | Sacramento st.   | Northwesterly      | Private.                 | 33                   | ...     | 350      |
| Miner             | Vernon st.       | Ames st.           | Public.                  | 40                   | 244     | ...      |
| Mondamin ct.      | Ivaloo st.       | Harrison st.       | Private.                 | 25                   | ...     | 250      |
| Monmouth          | End of above.    | Harvard st.        | Private.                 | 35                   | ...     | 200      |
| Monmouth          | Central st.      | Westerly           | Public.                  | 40                   | 267     | ...      |
| Montgomery ave    | Broadway         | Wellington ave.    | Public.                  | 40                   | 265     | ...      |
| Montrose ct.      | Montrose st.     | B. & L. R. R.      | Private.                 | 12                   | ...     | 110      |
| Montrose          | School st.       | Sycamore st.       | Public.                  | 40                   | 886     | ...      |
| Moore             | Holland st.      | Mead st.           | Public.                  | 40                   | 695     | ...      |
| Moreland          | Main st.         | Mystic ave.        | Private.                 | 40                   | ...     | 1,513    |
| Morgan            | Beacon st.       | Park st.           | Public.                  | 40                   | 350     | ...      |
| Morrison ave.     | Willow ave.      | Cedar st.          | Private.                 | 50                   | ...     | 1,366    |
| Morrison pl.      | Morrison st.     | Northerly          | Private.                 | 20                   | ...     | 190      |
| Morrison pl.      | Morrison pl.     | Easterly           | Private.                 | 15                   | ...     | 175      |
| Morrison          | Willow ave.      | Elm st.            | Public.                  | 40                   | 1,700   | ...      |
| Mortimer pl.      | Marshall st.     | Southeasterly      | Private.                 | 20                   | ...     | 225      |
| Morton            | Glen st.         | Knowlton st.       | Public.                  | 40                   | 287     | ...      |
| Mossland          | Somerville ave.  | Elm st.            | Public.                  | 40                   | 350     | ...      |
| Mountain ave.     | Linden ave.      | Porter st.         | Private.                 | 22                   | ...     | 310      |
| Mousal pl.        | North Union st.  | B. & M. R. R.      | Private.                 | 20                   | ...     | 200      |
| Mt. Pleasant ave. | Curtis st.       | Northwesterly      | Private.                 | 40                   | ...     | 700      |
| Mt. Pleasant ct.  | Perkins st.      | Southwesterly      | Private.                 | 40                   | ...     | 260      |
| Mt. Pleasant      | Broadway         | Perkins st.        | Public.                  | 33                   | 570     | ...      |
| Mt. Vernon ave.   | Main st.         | Meacham st.        | Private.                 | 50                   | ...     | 800      |
| Mt. Vernon        | Washington st.   | Pearl st.          | Public.                  | 40                   | 600     | ...      |

\*Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.— *Continued.*

| STREET.           | FROM              | To                 | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|-------------------|-------------------|--------------------|--------------------------|----------------------|---------|----------|
|                   |                   |                    |                          |                      | Public. | Private. |
| Mt. Vernon . .    | Pearl st. . . .   | Perkins st. . . .  | Public.                  | 50                   | 450     | ...      |
| Mt. Vernon . .    | Perkins st. . . . | Broadway . . . .   | Public.                  | 40                   | 600     | ...      |
| Munroe . . . .    | Walnut st. . . .  | Easterly . . . .   | Public.                  | 40                   | 375     | ...      |
| Munroe . . . .    | End of above . .  | Boston st. . . .   | Private.                 | 50                   | ...     | 1,100    |
| Murdock . . . .   | Cedar st. . . .   | Clyde st. . . .    | Private.                 | 30                   | ...     | 900      |
| Murray . . . .    | Washington st.    | Southerly . . . .  | Private.                 | 30                   | ...     | 250      |
| Museum . . . .    | Beacon st. . . .  | Cambridge line .   | Private.                 | 40                   | ...     | 170      |
| Myrtle ct. . . .  | Myrtle st. . . .  | Easterly . . . .   | Private.                 | 10                   | ...     | 100      |
| Myrtle . . . .    | Washington st.    | Perkins st. . . .  | Public.                  | 40                   | 1,400   | ...      |
| Mystic ave. . .   | Charlestown line  | Union st. . . .    | Public.                  | 60                   | 350     | ...      |
| Mystic ave. . .   | Union st. . . .   | Medford line . .   | Public.                  | 66                   | 6,900   | ...      |
| Mystic . . . .    | Washington st.    | Somerville ave. .  | Public.                  | 40                   | 360     | ...      |
| Mystic . . . .    | Benedict st. . .  | Mystic ave. . . .  | Private.                 | 40                   | ...     | 330      |
| Nashua . . . .    | Richardson st.    | B. & L. R. R. . .  | Private.                 | 35                   | ...     | 640      |
| Nevada ave. . .   | Village st. . . . | Hanson st. . . .   | Private.                 | 20                   | ...     | 200      |
| Newberne . . .    | Appleton st. . .  | Morrison st. . . . | Public.                  | 40                   | 200     | ...      |
| Newbury . . . .   | Holland st. . . . | Cambridge line .   | Public.                  | 40                   | 1,250   | ...      |
| Newman pl. . .    | Cedar st. . . .   | Southeasterly . .  | Private.                 | 10+                  | ...     | 100      |
| Newton pl. . . .  | Newton st. . . .  | Easterly . . . .   | Private.                 | about 10             | ...     | 100      |
| Newton . . . .    | Prospect . . . .  | Webster ave. . . . | Public.                  | 25                   | 470     | ...      |
| Newton . . . .    | Webster ave. . .  | Concord ave. . . . | Public.                  | 40+                  | 650     | ...      |
| Norfolk . . . .   | Webster ave. . .  | Cambridge line .   | Public.                  | 40                   | 200     | ...      |
| North . . . .     | Broadway . . . .  | Medford line . . . | Public.                  | 40                   | 2,550   | ...      |
| North Union . .   | Mystic ave. . . . | Northeasterly . .  | Private.                 | 30                   | ...     | 600      |
| Norton . . . .    | Nashua st. . . .  | Southeasterly . .  | Private.                 | 20                   | ...     | 200      |
| Norwood ave. .    | Broadway . . . .  | Medford st. . . .  | Public.                  | 40                   | 350     | ...      |
| Oak . . . .       | Prospect st. . .  | Angle . . . .      | Public.                  | 40                   | 670     | ...      |
| Oak . . . .       | Angle . . . .     | Cambridge line .   | Private.                 | 30                   | ...     | 530      |
| Oak St. pl. . . . | Oak st. . . .     | Northerly . . . .  | Private.                 | 4                    | ...     | 85       |
| Oakland ave. .    | Marshall st. . .  | School st. . . .   | Public.                  | 40                   | 440     | ...      |
| Olive ave. . . .  | Linden ave. . . . | Southeasterly . .  | Private.                 | 25                   | ...     | 155      |
| Olive sq. . . .   | Lake st. . . .    | Southerly . . . .  | Private.                 | about 15             | ...     | 100      |
| Oliver . . . .    | Franklin st. . .  | Cross st. . . .    | Public.                  | 40                   | 1,050   | ...      |
| Orchard . . . .   | Cambridge line    | Meacham st. . . .  | Public.                  | 40                   | 1,625   | ...      |
| Osgood . . . .    | Granite st. . . . | East'ly & west'ly  | Private.                 | 40                   | ...     | 450      |
| Otis . . . .      | Cross st. . . .   | Wigglesworth st.   | Public.                  | 40                   | 1,200   | ...      |
| Oxford . . . .    | School st. . . .  | Central st. . . .  | Private.                 | 30+                  | ...     | 1,330    |
| Oxford . . . .    | Beacon st. . . .  | Cambridge line .   | Public.                  | 50                   | 100     | ...      |
| Packard ave. . .  | Broadway . . . .  | Medford line . . . | Private.                 | 60                   | ...     | 2,000    |
| Palmer ave. . .   | Franklin st. . .  | Northwesterly . .  | Private.                 | 20                   | ...     | 200      |
| Park ave. . . .   | Elm st. . . .     | Wallace st. . . .  | Public.                  | 40                   | 450     | ...      |
| Park pl. . . .    | Laurel st. . . .  | Easterly . . . .   | Private.                 | 30                   | ...     | 220      |
| Park pl. . . .    | Park pl. . . .    | Northeasterly . .  | Private.                 | 20                   | ...     | 150      |
| Park . . . .      | Somerville ave.   | Beacon st. . . .   | Public.                  | 50                   | 1,300   | ...      |
| Parker pl. . . .  | Porter st. . . .  | Northwesterly . .  | Private.                 | 20                   | ...     | 150      |
| Parker . . . .    | Washington st.    | Fremont ave. . . . | Private.                 | 35                   | ...     | 200      |
| Partridge ave. .  | Vernon st. . . .  | Broadway . . . .   | Public.                  | 40                   | 1,457   | ...      |
| Patten ct. . . .  | Cutter st. . . .  | Southeasterly . .  | Private.                 | 8                    | ...     | 100      |
| Paulina . . . .   | Broadway . . . .  | Holland st. . . .  | Private.                 | 40                   | ...     | 775      |
| Pearl . . . .     | Crescent st. . .  | Mt. Vernon st. . . | Public.                  | 40                   | 300     | ...      |
| Pearl . . . .     | Mt. Vernon st.    | Franklin st. . . . | Public.                  | 50                   | 950     | ...      |
| Pearl . . . .     | Franklin st. . .  | Cross st. . . .    | Public.                  | 40                   | 1,025   | ...      |
| Pearl . . . .     | Cross st. . . .   | Medford st. . . .  | Public.                  | 50                   | 2,475   | ...      |
| Pearl St. pl. . . | Pearl st. . . .   | Northeasterly . .  | Private.                 | 20                   | ...     | 200      |
| Pearl ter. . . .  | Pearl st. . . .   | Northerly . . . .  | Private.                 | 23                   | ...     | 161      |
| *Pearson ave. .   | Morrison ave. . . | Boston ave. . . .  | Private.                 | 45                   | ...     | 1,300    |
| Pearson road . .  | Broadway . . . .  | Professors' row .  | Private.                 | 40                   | ...     | 1,654    |
| Pembroke ct. . .  | Pembroke st. . .  | Southwesterly . .  | Private.                 | 25                   | ...     | 130      |
| Pembroke . . . .  | Central st. . . . | Sycamore st. . . . | Private.                 | 40                   | ...     | 440      |
| Perkins pl. . . . | Perkins st. . . . | Northeasterly . .  | Private.                 | 20                   | ...     | 200      |
| Perkins . . . .   | Franklin st. . .  | Charlestown line . | Public.                  | 40                   | 1,350   | ...      |

\*Proposed.



TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.             | FROM               | To                   | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|---------------------|--------------------|----------------------|--------------------------|----------------------|---------|----------|
|                     |                    |                      |                          |                      | Public. | Private. |
| Peterson terrace    | Porter . . . .     | Northwesterly . .    | Private.                 | 13+                  | ...     | 155      |
| Pinckney pl. . .    | Pinckney st. . .   | Southeasterly . .    | Private.                 | 24                   | ...     | 125      |
| Pinckney . . . .    | Washington st.     | Perkins st. . . .    | Public.                  | 40                   | 1,170   | ...      |
| Pitman . . . . .    | Beech st. . . .    | Spring st. . . . .   | Private.                 | 30                   | ...     | 380      |
| Pitman . . . . .    | Spring st. . . .   | Belmont st. . . .    | Private.                 | 26                   | ...     | 390      |
| Pleasant ave. . .   | Walnut st. . . .   | Vinal ave. . . . .   | Public.                  | 40                   | 470     | ...      |
| Poplar ct. . . . .  | Poplar st. . . .   | Southeasterly . .    | Private.                 | 10                   | ...     | 80       |
| Poplar . . . . .    | Somerville ave.    | Linwood st. . . .    | Private.                 | 30                   | ...     | 350      |
| Poplar . . . . .    | Linwood st. . .    | Joy st. . . . .      | Private.                 | 35                   | ...     | 300      |
| Porter ave. . . .   | Porter st. . . .   | Northwesterly . .    | Private.                 | 20                   | ...     | 220      |
| Porter pl. . . . .  | Porter st. . . .   | Northwesterly . .    | Private.                 | 20                   | ...     | 195      |
| Porter . . . . .    | Elm st. . . . .    | Mountain ave. . .    | Public.                  | 45                   | 1,530   | ...      |
| Porter . . . . .    | Mountain ave. .    | Highland ave. . .    | Public.                  | 40                   | 425     | ...      |
| Prescott . . . . .  | Summer st. . . .   | Highland ave. . .    | Public.                  | 50                   | 1,050   | ...      |
| Preston . . . . .   | School st. . . .   | Summer st. . . . .   | Public.                  | 40                   | 800     | ...      |
| Princeton . . . .   | Alpine st. . . .   | Lowell st. . . . .   | Public.                  | 40                   | 657     | ...      |
| Princeton . . . .   | Lowell st. . . .   | Centre st. . . . .   | Private.                 | 40                   | ...     | 540      |
| Professors' row .   | Boston ave. . . .  | College ave. . . .   | Private.                 | 50                   | ...     | 460      |
| Professors' row .   | College ave. . .   | Curtis st. . . . .   | Private.                 | 40                   | ...     | 1,900    |
| Prospect . . . . .  | Washington st.     | Cambridge line . .   | Public.                  | 50                   | 2,050   | ...      |
| Prospect Hill av.   | Medford st. . . .  | High st. . . . .     | Public.                  | 40                   | 450     | ...      |
| Prospect pl. . . .  | Prospect st. . . . | E. Newton st. . .    | Private.                 | 20                   | ...     | 130      |
| Putnam . . . . .    | Summer st. . . .   | Highland ave. . .    | Public.                  | 50                   | 1,240   | ...      |
| Quincy . . . . .    | Somerville ave.    | Summer st. . . . .   | Public.                  | 40                   | 700     | ...      |
| Randolph pl. . .    | Cross st. . . . .  | Westerly . . . . .   | Private.                 | 15                   | ...     | 244      |
| Raymond ave. . .    | Curtis st. . . . . | North st. . . . .    | Public.                  | 40                   | 1,345   | ...      |
| Record's pl. . . .  | Broadway . . . .   | Southwesterly . .    | Private.                 | 10                   | ...     | 110      |
| Reed's ct. . . . .  | Oliver st. . . . . | Southwesterly . .    | Private.                 | 20                   | ...     | 105      |
| Remick ct. . . . .  | Cutter st. . . . . | Southeasterly . .    | Private.                 | 10                   | ...     | 100      |
| Richardson . . . .  | Lowell st. . . .   | Lawrence st. . . .   | Private.                 | 35                   | ...     | 480      |
| Richardson ter. .   | Richardson st.     | Northeasterly . .    | Private.                 | 20                   | ...     | 135      |
| Richdale ave. . .   | School st. . . .   | Sycamore st. . . .   | Public.                  | 40                   | 875     | ...      |
| Richmond hi'h'ds    | Madison st. . . .  | Southerly . . . . .  | Private.                 | 30                   | ...     | 150      |
| Roberts . . . . .   | Lawrence st. . .   | Northwesterly . .    | Private.                 | 20                   | ...     | 170      |
| Robinson . . . . .  | Central st. . . .  | Bartlett st. . . . . | Public.                  | 40                   | 582     | ...      |
| Rogers ave. . . .   | Morrison ave. . .  | Broadway . . . . .   | Private.                 | 45                   | ...     | 1,700    |
| Roseland . . . . .  | Beacon st. . . .   | Cambridge line . .   | Public.                  | 40                   | 100     | ...      |
| Rossmore . . . . .  | Somerville ave.    | Washington st. . .   | Public.                  | 40                   | 534     | ...      |
| Royce pl. . . . .   | Bonair st. . . . . | Northeasterly . .    | Private.                 | 15+                  | ...     | 175      |
| Rush . . . . .      | Broadway . . . .   | Flint st. . . . .    | Public.                  | 40                   | 1,400   | ...      |
| Russell road . . .  | Broadway . . . .   | North st. . . . .    | Private.                 | 40                   | ...     | 1,193    |
| Russell . . . . .   | Elm st. . . . .    | Cambridge line . .   | Public.                  | 40                   | 700     | ...      |
| Sacramento . . . .  | Somerville ave.    | Fitchburg R. R. . .  | Public.                  | 40                   | 80      | ...      |
| Sacramento . . . .  | Fitchburg R. R.    | Beacon st. . . . .   | Public.                  | 40                   | 290     | ...      |
| Sacramento . . . .  | Beacon st. . . .   | Cambridge line . .   | Private.                 | 40                   | ...     | 156      |
| Sanborn ave. . . .  | Warren ave. . . .  | Walnut st. . . . .   | Public.                  | 40                   | 280     | ...      |
| Sargent ave. . . .  | Broadway . . . .   | Walnut st. . . . .   | Public.                  | 40                   | 1,082   | ...      |
| Sartwell ave. . . . | Cedar st. . . . .  | Cherry st. . . . .   | Private.                 | 35                   | ...     | 400      |
| Sawyer ave. . . .   | Packard ave. . .   | Curtis st. . . . .   | Private.                 | 40                   | ...     | 690      |
| School . . . . .    | Somerville ave.    | Highland ave. . .    | Public.                  | 40                   | 1,870   | ...      |
| School . . . . .    | Highland ave.      | Broadway . . . . .   | Public.                  | 50                   | 2,500   | ...      |
| Sellon pl. . . . .  | Marshall st. . . . | Northwesterly . .    | Private.                 | 12                   | ...     | 120      |
| Seven Pines ave.    | Cameron ave. . .   | Cambridge line . .   | Private.                 | 40                   | ...     | 80       |
| Sewall ct. . . . .  | Sewall st. . . . . | Southwesterly . .    | Private.                 | 25                   | ...     | 190      |
| Sewall . . . . .    | Grant st. . . . .  | Temple st. . . . .   | Public.                  | 40                   | 615     | ...      |
| Shawmut pl. . . .   | Shawmut st. . . .  | Alston st. . . . .   | Private.                 | 30                   | ...     | 200      |
| Shawmut . . . . .   | Washington st.     | Cross st. . . . .    | Public.                  | 40                   | 550     | ...      |
| Shedd . . . . .     | Somerville ave.    | Merriam ave. . . .   | Private.                 | 40                   | ...     | 310      |
| Sherman pl. . . .   | Sargent ave. . . . | Marshall st. . . .   | Private.                 | 10                   | ...     | 250      |
| Sherman . . . . .   | Somerville ave.    | Frost ave. . . . .   | Private.                 | 35                   | ...     | 270      |
| Sibley ct. . . . .  | Cutter st. . . . . | Northwesterly . .    | Private.                 | 10                   | ...     | 100      |



TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.          | FROM            | To                | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|------------------|-----------------|-------------------|--------------------------|----------------------|---------|----------|
|                  |                 |                   |                          |                      | Public. | Private. |
| Sibley pl. . .   | Cutter st. . .  | Northwesterly .   | Private.                 | 10                   | ...     | 100      |
| Simpson ave. .   | Broadway . .    | Holland st. . .   | Private.                 | 40                   | ...     | 825      |
| Skehan . . .     | Dane st. . .    | Durham st. . .    | Private.                 | 30                   | ...     | 720      |
| Smith ave. . .   | Beacon st. . .  | Line st. . . .    | Private.                 | 25+                  | ...     | 200      |
| Snow pl. . . .   | Belmont st. .   | Easterly . . .    | Private.                 | 30                   | ...     | 75       |
| Snow pl. . . .   | Snow pl. . . .  | N'th'y and s'th'y | Private.                 | 20                   | ...     | 222      |
| Snow ter. . .    | Jaques st. . .  | Southwesterly     | Private.                 | 16                   | ...     | 120      |
| Somerville ave.  | E. Camb. line   | Union sq. . . .   | Public.                  | 75                   | 4,300   | ...      |
| Somerville ave.  | Union sq. . .   | N. Camb. line .   | Public.                  | 70                   | 6,800   | ...      |
| South . . . .    | Medford st. .   | Westerly . . .    | Private.                 | 30                   | ...     | 940      |
| *Southwick ave.  | Morrison ave.   | Boston ave. . .   | Private.                 | 40                   | ...     | 990      |
| Spring ct. . .   | Somerville ave. | Westerly . . .    | Private.                 | 20                   | ...     | 200      |
| Spring . . . .   | Somerville ave. | Summer st. . .    | Public.                  | 40                   | 1,200   | ...      |
| Springfield . .  | Concord ave. .  | Cambridge line .  | Public.                  | 40                   | 800     | ...      |
| Spring Hill ter. | Highland ave.   | Belmont st. . .   | Private.                 | 20                   | ...     | 670      |
| Stanford ter. .  | Beacon st. . .  | Northeasterly .   | Private.                 | 20                   | ...     | 200      |
| Stickney ave. .  | Marshall st. .  | School st. . . .  | Public.                  | 40                   | 458     | ...      |
| St. James ave. . | Elm st. . . .   | Summer st. . .    | Public.                  | 40                   | 488     | ...      |
| Stone ave. . .   | Union sq. . .   | Columbus ave. .   | Public.                  | 40                   | 676     | ...      |
| Stone pl. . . .  | Stone ave. . .  | Southeasterly .   | Private.                 | 30                   | ...     | 145      |
| Summer . . . .   | Bow st. . . .   | Elm st. . . .     | Public.                  | 45                   | 7,700   | ...      |
| Summit ave. . .  | Walnut st. . .  | Vinal ave. . . .  | Public.                  | 45                   | 470     | ...      |
| Summit . . . .   | Elm st. . . .   | Billingham st. .  | Public.                  | 40                   | 262     | ...      |
| Sumner . . . .   | Lawrence st. .  | Northwesterly .   | Private.                 | 20                   | ...     | 175      |
| Sunnyside ave. . | Walnut st. . .  | Wigglesworth st.  | Private.                 | 35                   | ...     | 250      |
| Sycamore . . .   | Broadway . .    | Medford st. . .   | Public.                  | 45                   | 1,250   | ...      |
| Sycamore . . .   | Medford st. .   | Richdale ave. .   | Private.                 | 40                   | ...     | 550      |
| Sycamore . . .   | Richdale ave. . | Highland ave. .   | Private.                 | 33                   | ...     | 800      |
| Sydney . . . .   | Wheatland st.   | Temple st. . . .  | Private.                 | 40                   | ...     | 925      |
|                  |                 |                   |                          |                      |         |          |
| Talbot ave. . .  | Packard ave. .  | College ave. . .  | Private.                 | 50                   | ...     | 1,409    |
| Taunton . . .    | So. Wyatt st. . | Easterly to angle | Private.                 | 30                   | ...     | 170      |
| Taunton . . .    | Angle . . . .   | Marion st. . . .  | Private.                 | 20                   | ...     | 95       |
| Taylor pl. . .   | Somerville ave. | Southerly . . .   | Private.                 | 15                   | ...     | 200      |
| Taylor . . . .   | Mystic ave. .   | Sydney st. . . .  | Private.                 | 40                   | ...     | 310      |
| Temple . . . .   | Broadway . .    | Mystic avenue .   | Public.                  | 66                   | 1,540   | ...      |
| Tenney ct. . .   | Mystic ave. .   | Northeasterly .   | Private.                 | 30                   | ...     | 400      |
| Tennyson . . .   | Forster st. . . | Medford st. . .   | Public.                  | 40                   | 469     | ...      |
| Tennyson . . .   | Medford st. .   | Pembroke st. . .  | Private.                 | 40                   | ...     | 400      |
| Thorndike . . .  | Holland st. .   | Kingston st. . .  | Private.                 | 40                   | ...     | 580      |
| Thorpe pl. . .   | Highland ave.   | Southwesterly .   | Private.                 | 30                   | ...     | 450      |
| Thurston . . .   | Broadway . .    | Richdale ave. .   | Public.                  | 40                   | 1,660   | ...      |
| Tower ct. . .    | Tyler st. . .   | Northeasterly .   | Private.                 | 25                   | ...     | 150      |
| Tower . . . .    | Crown st. . .   | Highland ave. .   | Public.                  | 40                   | 559     | ...      |
| Tremont pl. . .  | Tremont st. .   | Southeasterly .   | Private.                 | about 10             | ...     | 75       |
| Tremont . . .    | Webster ave. .  | Cambridge line .  | Public.                  | 40                   | 589     | ...      |
| Trull . . . .    | Vernon st. . .  | Medford st. . .   | Public.                  | 40                   | 1,050   | ...      |
| Trull lane . . . | Highland ave.   | Oxford st. . . .  | Private.                 | 15                   | ...     | 200      |
| Tube Works ct.   | Somerville ave. | Southwesterly .   | Private.                 | 20                   | ...     | 150      |
| Tufts ave. . .   | Talbot ave. .   | Professors' row . | Private.                 | 60                   | ...     | 250      |
| Tufts . . . .    | Washington st.  | Cross st. . . .   | Public.                  | 40                   | 940     | ...      |
| Tyler . . . .    | Vine st. . . .  | Dane st. . . .    | Public.                  | 40                   | 404     | ...      |
|                  |                 |                   |                          |                      |         |          |
| Unnamed st. .    | Broadway . .    | Russell road . .  | Private.                 | 40                   | ...     | 449      |
| Unnamed st. .    | Broadway . .    | Russell road . .  | Private.                 | 40                   | ...     | 382      |
| Unnamed st. .    | Mystic ave. .   | Middlesex ave. .  | Private.                 | 40                   | ...     | 433      |
| Unnamed st. .    | Mystic ave. .   | Middlesex ave. .  | Private.                 | 40                   | ...     | 583      |
| Unnamed st. .    | Mystic ave. .   | Middlesex ave. .  | Private.                 | 40                   | ...     | 706      |
| Union . . . .    | Broadway . .    | Mystic ave. . .   | Public.                  | 40                   | 330     | ...      |
| Union pl. . .    | Linwood st. .   | Southwesterly .   | Private.                 | 10                   | ...     | 100      |
|                  |                 |                   |                          |                      |         |          |
| Veazie . . . .   | Walnut st. . .  | Bradley st. . .   | Private.                 | 40                   | ...     | 650      |
| Vernon . . . .   | Central st. . . | Jenny Lind ave. . | Public.                  | 40                   | 740     | ...      |
| Vernon . . . .   | Jenny Lind ave. | Lowell st. . . .  | Private.                 | 30                   | ...     | 600      |

\*Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS. — *Continued.*

| STREET.         | FROM            | To   | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|-----------------|-----------------|--|--------------------------|----------------------|---------|----------|
|                 |                 |  |                          |                      | Public. | Private. |
| Victoria . . .  | Broadway . .    | Cambridge line .                           | Private.                 | 40                   | ...     | 1,036    |
| Villa ave. . .  | Winslow ave. .  | Arlington B. R.R.                          | Private.                 | 35                   | ...     | 200      |
| Village . . .   | Dane st. . .    | Vine st. . .                               | Private.                 | 25                   | ...     | 370      |
| Vinal ave. . .  | Summer st. . .  | Highland ave. .                            | Public.                  | 45                   | 1,400   | ...      |
| Vinal . . .     | Richardson st.  | Northeasterly .                            | Private.                 | 20                   | ...     | 200      |
| Vine ct. . .    | Vine st. . .    | Northwesterly .                            | Private.                 | 25                   | ...     | 140      |
| Vine . . .      | Somerville ave. | Hanson st. . .                             | Private.                 | 40                   | ...     | 780      |
| Vine . . .      | Hanson st. . .  | Beacon st. . .                             | Private.                 | 25                   | ...     | 650      |
| Virginia . . .  | Aldrich st. . . | Jasper st. . .                             | Public.                  | 40                   | 405     | ...      |
| Wade ct. . .    | Cedar st. . .   | Westerly . . .                             | Private.                 | 20                   | ...     | 180      |
| Waldo . . .     | Highland ave.   | Hudson st. . .                             | Public.                  | 40                   | 287     | ...      |
| Wallace . . .   | Holland st. . . | Broadway . . .                             | Public.                  | 40                   | 1,350   | ...      |
| Walnut . . .    | Bow st. . .     | Broadway . . .                             | Public.                  | 40                   | 3,830   | ...      |
| Walter pl. . .  | Walter st. . .  | Southwesterly .                            | Private.                 | 40                   | ...     | 222      |
| Walter . . .    | Walnut st. . .  | { about 100 ft. N. }<br>{ of Bradley st. } | Public.                  | 40                   | 548     | ...      |
| Ward . . .      | Medford st. . . | Earl st. . .                               | Private.                 | 30                   | ...     | 610      |
| Ware . . .      | Curtis st. . .  | Northwesterly .                            | Private.                 | 40                   | ...     | 700      |
| Warren ave. .   | Union sq. . .   | Columbus ave. .                            | Public.                  | 40                   | 650     | ...      |
| Warren . . .    | Medford st. . . | Cambridge line .                           | Private.                 | 30                   | ...     | 100      |
| Warwick ave. .  | Warwick st. . . | Northeasterly .                            | Private.                 | 15                   | ...     | 150      |
| Warwick . . .   | Cedar st. . .   | Warwick ave. .                             | Public.                  | 40                   | 655     | ...      |
| Washington ave. | Washington st.  | Northerly . . .                            | Private.                 | 18                   | ...     | 350      |
| Washington . .  | Charlest'n line | Franklin ave. .                            | Public.                  | 75                   | 1,060   | ...      |
| Washington . .  | Franklin ave. . | Fitchburg R. R.                            | Public.                  | 60 to 100            | 3,870   | ...      |
| Washington . .  | Fitchburg R. R. | Cambridge line .                           | Public.                  | 60                   | 2,380   | ...      |
| Water . . .     | South st. . .   | Northerly . . .                            | Private.                 | 25                   | ...     | 250      |
| Waterhouse . .  | Broadway . . .  | Cambridge line .                           | Private.                 | 40                   | ...     | 986      |
| Watson st. . .  | Broadway . . .  | Fairmount ave. .                           | Private.                 | 40                   | ...     | 236      |
| Waverly . . .   | Washington st.  | Southerly . . .                            | Private.                 | 35                   | ...     | 200      |
| Webster ave. .  | Union sq. . .   | Cambridge line .                           | Public.                  | 49.5                 | 1,950   | ...      |
| Webster . . .   | Franklin st. .  | Cross st. . .                              | Public.                  | 40                   | 1,000   | ...      |
| Wellington ave. | Walnut st. . .  | Montgomery ave.                            | Public.                  | 40                   | 215     | ...      |
| Wellington ave. | Montgomery ave. | Easterly . . .                             | Private.                 | 40                   | ...     | 85       |
| Wesley pk. . .  | Wesley sq. . .  | Northeasterly .                            | Public.                  | 40                   | 405     | ...      |
| Wesley . . .    | Pearl st. . .   | Northeast to angle                         | Private.                 | 40                   | ...     | 350      |
| Wesley . . .    | Angle . . .     | Otis st. . .                               | Private.                 | 30                   | ...     | 165      |
| West . . .      | Broadway . . .  | Heath st. . .                              | Private.                 | 30                   | ...     | 250      |
| West . . .      | Hawthorne st.   | Arlington B. R. R.                         | Private.                 | 30                   | ...     | 460      |
| Westminster .   | Broadway . . .  | Electric ave. . .                          | Public.                  | 40                   | 376     | ...      |
| Weston ave. .   | Clarendon ave.  | Broadway . . .                             | Private.                 | 40                   | ...     | 525      |
| Westwood road   | Central st. . . | Benton ave. . .                            | Public.                  | 40                   | 489     | ...      |
| Wheatland . .   | Broadway . . .  | Jaques st. . .                             | Public.                  | 40                   | 495     | ...      |
| Wheatland . .   | Jaques st. . .  | Mystic ave. . .                            | Private.                 | 40                   | ...     | 855      |
| Wheeler . . .   | Pinckney st. .  | Mt. Vernon st. .                           | Public.                  | 40                   | 269     | ...      |
| Whipple . . .   | Hawthorne st.   | Arlington B. R. R.                         | Private.                 | 30                   | ...     | 575      |
| White . . .     | Elm st. . .     | Cambridge line .                           | Private.                 | 20                   | ...     | 300      |
| White St. pl.   | White st. . .   | Southeasterly .                            | Private.                 | 20                   | ...     | 200      |
| Wigglesworth .  | Bonair st. . .  | Pearl st. . .                              | Public.                  | 40                   | 740     | ...      |
| William . . .   | Chandler st. .  | Elm st. . .                                | Public.                  | 40                   | 381     | ...      |
| William . . .   | Broadway . . .  | Medford line . .                           | Private.                 | 50                   | ...     | 45       |
| Williams ct. .  | Porter st. . .  | Northwesterly .                            | Private.                 | 30                   | ...     | 150      |
| Willoughby . .  | Central st. . . | Sycamore st. . .                           | Private.                 | 30                   | ...     | 400      |
| Willow ave. .   | Elm st. . .     | Broadway . . .                             | Public.                  | 50                   | 3,440   | ...      |
| Willow pl. . .  | Cambridge line  | South st. . .                              | Private.                 | 25                   | ...     | 150      |
| * Willowdale .  | Willow ave. .   | Easterly . . .                             | Private.                 | 40                   | ...     | 550      |
| Wilson ave. .   | Broadway . . .  | B. & L. R. R. .                            | Private.                 | 20                   | ...     | 310      |
| Wilton . . .    | Lowell st. . .  | Lawrence st. . .                           | Private.                 | 35                   | ...     | 470      |
| Winchester . .  | Broadway . . .  | Medford line . .                           | Private.                 | 40                   | ...     | 65       |
| Windom . . .    | Elm st. . .     | Summer st. . .                             | Public.                  | 40                   | 300     | ...      |
| Windsor road .  | Gordonia road   | Willow ave. . .                            | Private.                 | 40                   | ...     | 575      |
| Winslow ave .   | Elm st. . .     | Clifton st. . .                            | Public.                  | 40                   | 1,086   | ...      |
| Winter . . .    | Elm st. . .     | Holland st. . .                            | Private.                 | 30                   | ...     | 430      |

\* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.— *Concluded.*

| STREET.          | FROM                                     | To               | Public<br>or<br>Private. | Width<br>in<br>Feet. | LENGTH. |          |
|------------------|--|------------------|--------------------------|----------------------|---------|----------|
|                  |  |                  |                          |                      | Public. | Private. |
| Winter Hill cir. | Broadway . .                             | Northeasterly .  | Private.                 | 25                   | . . .   | 177      |
| Winthrop ave. .  | Broadway . .                             | Mystic ave. . .  | Public.                  | 50                   | 1,170   | . . .    |
| Woodbine . .     | Centre st. . .                           | Lowell st. . .   | Private.                 | 30                   | . . .   | 600      |
| * Woods ave. .   | North st. . .                            | Alewife Brook .  | Private.                 | 40                   | . . .   | 1,350    |
| Woodstock . .    | Victoria st. .                           | Alewife Brook .  | Private.                 | 40                   | . . .   | 415      |
| Wyatt ct. . .    | South Wyatt st.                          | Westerly . . .   | Private.                 | 13                   | . . .   | 200      |
| Wyatt pl. . .    | Wyatt st. . .                            | Westerly . . .   | Private.                 | 10                   | . . .   | 70       |
| Wyatt (South) .  | Concord ave. .                           | Northerly . . .  | Private.                 | 40                   | . . .   | 400      |
| Wyatt (North) .  | Washington st.                           | Southerly . . .  | Private.                 | 40                   | . . .   | 350      |
| Yorktown . .     | { 100 ft. north of }<br>{ Malvern ave. } | Cambridge line . | Private.                 | 40                   | . . .   | 548      |

\*Proposed.

## UNNAMED STREETS.

|               |                 |                 |          |       |         |         |
|---------------|-----------------|-----------------|----------|-------|---------|---------|
| Court . . . . | Craigie st. . . | Westerly . . .  | Private. | 25    | . . .   | 126     |
| Court . . . . | Craigie st. . . | Westerly . . .  | Private. | 25    | . . .   | 126     |
| Court . . . . | Craigie st. . . | Westerly . . .  | Private. | 25    | . . .   | 126     |
| Court . . . . | Broadway . .    | Southwesterly . | Private. | 15    | . . .   | 96      |
| Court . . . . | Dane st. . .    | Easterly . . .  | Private. | 10    | . . .   | 70      |
| Court . . . . | Lowell st. . .  | Westerly . . .  | Private. | 25    | . . .   | 101     |
| Court . . . . | Lowell st. . .  | Westerly . . .  | Private. | 25    | . . .   | 101     |
| Court . . . . | Olive ave. . .  | Porter st. . .  | Private. | 7.5   | . . .   | 156     |
| Court . . . . | Stone ave. . .  | Northwesterly . | Private. | 20    | . . .   | 113     |
| Court . . . . | Albion st. . .  | Northeasterly . | Private. | 10    | . . .   | 100     |
| Court . . . . | Columbia st. .  | Northwesterly . | Private. | 10    | . . .   | 117     |
| Total . . . . | . . . . .       | . . . . .       | . . . .  | . . . | 297,668 | 170,302 |

Public, 56.38 miles; private, 32.24 miles.

TABLE SHOWING OLD NAMES OF CERTAIN STREETS AS FORMERLY KNOWN.

| PRESENT NAME OF STREET.                           | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.   |
|---|--|
| Albion street . . .                               | Forest street. (Easterly end.)   |
| Aldrich street . . .                              | Ruby street.<br>Eglantine street.  |
| Ash avenue . . .                                  | Minnie avenue.   |
| Ashland street . . .                              | Maple street.  |
| Avon place . . .                                  | Middle lane.<br>Barberry lane.<br>Cross lane.  |
| Beacon place . . .                                | Taggard court.   |
| Beacon street . . .                               | Road to West Cambridge.<br>Middlesex turnpike.<br>Hampshire street.  |
| Beech street . . .                                | Oak street. (Somerville avenue end.)   |
| Benedict avenue . . .                             | Lovell street.   |
| Bigelow street . . .                              | High street.   |
| Bond street . . .                                 | Park street.   |
| Bonner avenue . . .                               | Bonner place.<br>Warren avenue.  |
| Boston avenue (Cedar street<br>to Broadway) . . . | Orange street.   |
| Bow street . . .                                  | Charlestown lane.<br>Milk row road.<br>Milk row.   |
| Broadway . . .                                    | Road to Menotomy.<br>Menotomy road.<br>Medford road.<br>Road from Menotomy to Boston.<br>Medford road over Winter Hill.<br>Great road from Charlestown to Menotomy.<br>Winter Hill road or street.<br>West Cambridge road.<br>Main street. |
| Calvin street . . .                               | Dimick street.   |
| Cameron avenue . . .                              | Cameron street.  |



| PRESENT NAME OF STREET.                          | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.  |
|--|---|
| Cedar street . . .                               | Seventh rangeway.<br>Rangeway to Medford.   |
| Centre street . . .                              | Forest place.   |
| Central street . . .                             | Fifth rangeway.<br>Rand's lane.<br>Tufts' rangeway.   |
| Chauncey avenue . . .                            | Chauncey street.  |
| Chester avenue . . .                             | Middle lane.<br>Cross lane.<br>Barberry lane.   |
| Columbus avenue . . .                            | Highland street.<br>Warren avenue.<br>Probation path.   |
| Cooney street . . .                              | Hanson lane.  |
| Concord avenue (Beacon street to Concord square) | Brick Yard lane. (Newton street to Beacon street.)<br>Lincoln street. (Beacon street easterly.)<br>Garden street. (Beacon street easterly.) |
| Cottage avenue . . .                             | Cottage place.  |
| Crescent street . . .                            | Mt. Vernon street.  |
| Cross street . . .                               | Three Pole lane.<br>Second rangeway. (Broadway to Medford street.)<br>Runey's lane.   |
| Crown street . . .                               | Rand street.  |
| Curtis street . . .                              | Rangeway. (Second.)   |
| Cutter avenue . . .                              | Russell street.   |
| Dartmouth street . . .                           | Fruit street.   |
| Dane street . . .                                | Union street.   |
| Dickinson street . . .                           | John street.  |
| Dimick street . . .                              | Rollins street. (Southeasterly end.)  |
| Dover street . . .                               | Willow street.  |
| Dow street . . .                                 | Barnett street.   |
| Elm place . . .                                  | Elm street.   |

| PRESENT NAME OF STREET.  | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.  |
|--------------------------|---|
| Elm street . . . .       | Charlestown lane.<br>Powder House road.<br>Road from Medford to Cambridge.<br>Road from Medford to Cambridge over<br>Quarry Hill.<br>Cambridge road.<br>Milk lane.<br>Milk row. |
| Elmwood street . . . .   | Davis street.   |
| Everett avenue . . . .   | Everett street.   |
| Evergreen square . . . . | Cutter square.  |
| Fairlee street . . . .   | Graham street.  |
| Fanning avenue . . . .   | Dexter street.  |
| Flint street . . . .     | Runey street. (Cross street to Aldrich street.)   |
| Forster street . . . .   | Linwood street.<br>Federal street.  |
| Franklin street . . . .  | Second poleway.<br>First rangeway.  |
| Gilman street . . . .    | Cross street place.   |
| Glendale avenue. . . .   | Holmes street.  |
| Hammond street . . . .   | Dickinson place.<br>Benefit street.   |
| Harding street . . . .   | Rideout street.   |
| Harvard place . . . .    | Chestnut street.<br>Chestnut court.   |
| Hawkins street . . . .   | Milton street.  |
| Hawthorne street . . . . | Graves street.  |
| Henry avenue . . . .     | Ayer street.  |
| Hillside Park . . . .    | Marritt place.  |
| Highland avenue . . . .  | Middle lane.<br>Cross lane.<br>Barberry lane.<br>Church street. (Medford street to Central<br>street.)  |
| Ivaloo street . . . .    | Auburn court.<br>Wood street.   |

| PRESENT NAME OF STREET. | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.   |
|-------------------------|--|
| Jaques street . . .     | Bond street. (Temple street to Bond street.)   |
| Kenwood street . . .    | Jacob street.  |
| Kingman court . . .     | Kingman street.<br>Warren street.  |
| Kingston street . . .   | Campbell park. (Angle to Cambridge line.)  |
| Lake street . . .       | Hawkins court.   |
| Lesley avenue . . .     | Alton street.  |
| Lexington avenue . . .  | Lexington street.  |
| Lincoln avenue . . .    | George street.   |
| Linden avenue . . .     | Brackett's row.<br>Leland street.  |
| London street . . .     | Lowell street.   |
| Lowell street . . .     | Sixth rangeway.<br>Charles Adams' rangeway.<br>White street.   |
| Main street . . .       | Road from Medford to Boston.   |
| Malvern avenue . . .    | Hollis street.   |
| Maple avenue . . .      | Parterre square.   |
| Medford street . . .    | Road from Medford to Lechmere Point.<br>Road from Canal bridge to Medford.<br>New road from Medford to Cambridge bridge.<br>Craigie's road to Medford.<br>Road to Medford. |
| Merriam street . . .    | Myrtle street.   |
| Miller street . . .     | Pierce's court.  |
| Moreland street . . .   | Brooks street. (Main street to Meacham street.)  |
| Morrison avenue . . .   | Morrison street.   |
| Monmouth street . . .   | York Terrace. (Easterly end.)<br>Chestnut street. }<br>Chestnut court. } (Westerly end.)<br>Harvard place. }   |
| Munroe street . . .     | Prospect street.<br>Mt. Pisgah avenue.<br>High street.   |

| PRESENT NAME OF STREET.    | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.                           |
|----------------------------|--|
| Myrtle street . . .        | Warren street.   |
| Mystic avenue . . .        | Medford turnpike, or road.   |
| Newton street . . .        | Way by Bullard's bridge.<br>Road to Cambridgeport.<br>Brick Yard lane. |
| North street . . .         | Proprietor's way.<br>Cook's lane.<br>Rangeway. (Third.)                |
| North Union street . . .   | Canal street.  |
| Norwood avenue . . .       | Magoun street.   |
| Oakland avenue . . .       | Oakman avenue.   |
| Oliver street . . .        | Broom street.  |
| Oxford street . . .        | High street. (Westerly end.)   |
| Park street . . .          | Baldwin street.<br>Snowhill street.<br>Bond street.                    |
| Paulina street . . .       | James street.  |
| Perkins street . . .       | Proprietor's way. (Part.)  |
| Pitman street . . .        | Walnut street.   |
| Poplar street . . .        | Walnut street. (Linwood street to Joy street.)                         |
| Prospect street . . .      | Road from Cambridgeport to Charlestown.<br>Pine street.                |
| Prospect Hill avenue . . . | Cross street.  |
| Richardson street . . .    | Appleton street. (Lowell street, westerly.)                            |
| Sacramento street . . .    | Union street.  |
| Sargent avenue . . .       | Mills street. (Walnut street to angle.)                                |
| Sartwell avenue . . .      | Chestnut street.<br>Maple street.                                      |
| School street . . .        | Fourth rangeway.<br>Ireland's lane. (Somerville avenue, northerly.)    |
| Seven Pines avenue . . .   | Stiles street.   |
| Shawmut street . . .       | Three Pole lane.<br>Second rangeway.                                   |



| PRESENT NAME OF STREET.  | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN.   |
|--------------------------|--|
| Somerville avenue . . .  | Charlestown lane. (Union square, westerly.)<br>Kent's street. (Union square, westerly.)<br>Milk row road. (Union square, westerly.)<br>Milk row. (Union square, westerly.)<br>Road from West Cambridge to Charlestown.<br>County road.<br>Milk street.<br>Bridge street.   |
| Spring street . . .      | Spring Hill street.  |
| Spring court . . .       | Spring Hill court.   |
| Temple street . . .      | Derby lane.<br>Derby street.   |
| Veazie street . . .      | Hawes avenue.  |
| Vernon street . . .      | Taylor street.<br>Euston street.   |
| Virginia street . . .    | Eglantine avenue.  |
| Walnut street . . .      | Third rangeway.  |
| Washington street . . .  | Highway to New Towne.<br>Cambridge road.<br>Road from Cambridge to Charlestown.<br>Cambridge and Charlestown road.<br>Charlestown road.<br>Road from the Colleges to Charlestown.<br>Road to Old Cambridge.<br>Milk row. (Charlestown to Union square.)<br>Kirkland street. (Union square to Cambridge.)<br>Cambridge street. (Union square to Charlestown.) |
| Webster avenue . . .     | Medford street.  |
| Webster street . . .     | Lime street.<br>Sullivan place.  |
| Wesley Park . . .        | Hawkins park.  |
| Wesley street . . .      | Prince street.   |
| Wheatland street . . .   | New Walnut street.   |
| White street . . .       | Cottage street.  |
| White street place . . . | Cottage court.   |
| Willow avenue . . .      | Eighth rangeway.<br>Irving street.   |

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| PRESENT NAME OF STREET.    | FORMER NAMES BY WHICH STREET HAS BEEN KNOWN. |
|----------------------------|--|
| <hr/>                      |  |
| Windsor road . . . .       | Minot street.<br>Willow Dale street.         |
| Wyatt street (South) . . . | Wyatt's lane.                                |
| Yorktown street . . . .    | Albro street.                                |

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## SQUARES.

|                        |                   |
|------------------------|-------------------|
| Central square . . . . | Prescott square.  |
| Cutter square . . . .  | Russell square.   |
| Davis square . . . .   | Clarendon square. |
| Magoun square . . . .  | Pollard square.   |
| Teele square . . . .   | Russell square.   |

REPORT  
OF THE  
COMMITTEE ON HIGHWAYS.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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IN COMMITTEE ON HIGHWAYS, January 2, 1899.

TO THE CITY COUNCIL.

*Gentlemen*:—The Committee on Highways presents the following report for the year ending December 31, 1898:—

### HIGHWAYS ACCOUNT.

#### CREDIT.

|  |             |             |
|--|-------------|-------------|
| Appropriation . . . . .                  | \$65,000.00 |             |
| Less transfer to Side-                   |             |             |
| walks account . . . . .                  | \$167.41    |             |
| Less transfer to Kent                    |             |             |
| street subway . . . . .                  | 99.65       |             |
|  | <hr/>       |             |
|  | 267.06      |             |
|  | <hr/>       | \$64,732.94 |
| Receipts and credits:—                   |             |             |
| For labor and materials fur-             |             |             |
| nished prior to January 1,               |             |             |
| 1898, the bills for which                |             |             |
| remained uncollected that                |             |             |
| day . . . . .                            | \$238.96    |             |
| Rent of dwelling at                      |             |             |
| city farm . . . . .                      | \$136.00    |             |
| Less repairs . . . . .                   | 11.80       |             |
|  | <hr/>       |             |
|  | 124.20      |             |
| Rebate from city of Waltham,             |             |             |
| taxes paid on Waltham                    |             |             |
| gravel land . . . . .                    | 237.91      |             |
|  | <hr/>       |             |
| <i>Amounts carried forward</i> . . . . . | \$601.07    | \$64,732.94 |

|   |          |             |
|---|----------|-------------|
| <i>Amounts brought forward</i> . . . . .  | \$601.07 | \$64,732.94 |
| From Metropolitan Water Board, on account of constructing Chauncey avenue . . . . . | 300.00   |             |
|   | <hr/>    | 901.07      |
| Value of tools and property on hand January 1, 1898 . . . . .                       |          | 14,799.00   |
| Value of materials on hand January 1, 1898 . . . . .                                |          | 2,261.21    |
| Net gain on tools, property and materials . . . . .                                 |          | 2,746.50    |
|   |          | <hr/>       |
| Total credit . . . . .  |          | \$85,440.72 |

## DEBIT.

## Expenditures : —

|  |         |
|--|---------|
| For advertising laying out Ashland, Kingston, Lowell, Oxford and Wesley streets, Charnwood road and Winslow avenue . . . . . | \$88.50 |
|--|---------|

## Construction of streets :—

|   |          |
|---|----------|
| Banks street, from Elm street to Summer street . . . . .          | \$278.00 |
| Chauncey avenue, from Mystic avenue to Broadway . . . . .         | 761.05   |
| Cutter avenue, from Summer street to Highland avenue . . . . .    | 326.90   |
| Jenny Lind avenue, from Broadway to Medford street . . . . .      | 343.85   |
| Morton street, from Glen street to Knowlton street . . . . .      | 430.15   |
| Robinson street, from Central street to Bartlett street . . . . . | 228.55   |
| Wigglesworth street, from Pearl street to Bonair street . . . . . | 479.05   |
|   | <hr/>    |
|   | 2,847.55 |

|   |            |
|---|------------|
| <i>Amount carried forward</i> . . . . . | \$2,936.05 |
|---|------------|

|  |            |            |
|--|------------|------------|
| <i>Amount brought forward</i> . . . . .  |            | \$2,936.05 |
| Subgrading streets :—  |            |            |
| Adrian street, from Marion street to Joseph street . . . . .   | \$ 97.50   |            |
| Cook street, from Marion street to South Wyatt street . . . . .  | 22.50      |            |
| Electric avenue, from Curtis street to Packard avenue . . . . .  | 119.60     |            |
| Grant street, from Broadway to Jaques street . . . . .   | 42.90      |            |
| Ibbetson street, from Somerville avenue to Lowell street . . . . .   | 27.05      |            |
| Joy street, from Washington street to Poplar street . . . . .  | 318.60     |            |
| Marion street, from Concord avenue to Cook street . . . . .  | 56.30      |            |
| Westminster street, from Broadway to Electric avenue . . . . .   | 147.00     |            |
|  | <hr/>      | 831.45     |
| Paving of Gutters, in connection with setting of Edgestones :—   |            |            |
| In twenty-seven sections of gutter, as per table in City Engineer's report, entitled "Table showing Location and cost of Edgestones and Brick Sidewalks and Paved Gutters where Edgestones were set in 1898" . . . . . | \$7,305.70 |            |
| Greenville street, both sides from Munroe street to Boston street . . . . .  | 150.95     |            |
|  | <hr/>      | <hr/>      |
| <i>Amounts carried forward</i> . . . . .   | \$7,456.65 | \$3,767.50 |

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .   | \$7,456.65 | \$3,767.50  |
| Medford street, in front of<br>estate of J. H. Maguire,<br>near Partridge avenue .   | 49.40      |             |
| Stickney avenue, northeast-<br>erly side, from Marshall<br>street to School street . | 173.28     |             |
| Vernon street, in front of<br>the estate of Amie Terrio                              | 19.60      |             |
|  | <hr/>      | 7,698.93    |
| Ordinary repairs of Streets :—   |            |             |
| Broadway, from Magoun<br>square to Arlington line .                                  | \$1,670.95 |             |
| Broadway, from Boston line<br>to Autumn street . . .                                 | 3,171.47   |             |
| Boston avenue, from the<br>Medford line to Alewife<br>brook . . . . .                | 523.05     |             |
| Bonner avenue, from Wash-<br>ington street to Columbus<br>avenue . . . . .           | 96.40      |             |
| Cameron avenue, from Mead<br>street to the Cambridge<br>line . . . . .               | 99.80      |             |
| Central street, from Railroad<br>bridge to Albion street .                           | 631.95     |             |
| Cedar street, from Highland<br>avenue to Albion street .                             | 46.10      |             |
| Cross street, from Broadway<br>to Pearl street . . .                                 | 1,076.17   |             |
| Curtis street, from Broad-<br>way, northerly . . .                                   | 118.20     |             |
| East Newton street, from<br>Prospect street to Web-<br>ster avenue . . . . .         | 433.45     |             |
| Hancock street, from Sum-<br>mer street to Elm street .                              | 53.10      |             |
|  | <hr/>      | <hr/>       |
| <i>Amounts carried forward</i> .   | \$7,920.64 | \$11,466.43 |



|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .  | \$7,920.64 | \$11,466.43 |
| Medford street, from School street to Gilman square .                   | 103.70     |             |
| Medford street, from Highland avenue to Railroad bridge . . . . .       | 182.70     |             |
| Mystic avenue, from Winthrop avenue to Wheatland street . . . . .       | 2,708.25   |             |
| Pearl street, from Walnut street to Cross street .                      | 117.10     |             |
| Somerville avenue, from Kent street to the North Cambridge line . . . . | 2,301.95   |             |
| Springfield street, from Concord avenue to the Cambridge line . . . . . | 323.80     |             |
| Walnut street, from Highland avenue to Bow street                       | 1,013.85   |             |
| Walnut street, from Broadway to Pearl street .                          | 404.90     |             |
| General repairs . . . . .   | 10,502.82  |             |
|   | <hr/>      | 25,579.71   |
| Resetting edgestones . . . . .  |            | 1,494.74    |
| Culvert at College Hill . . . . .                                       |            | 183.65      |
| Removing snow and ice, and care of slippery sidewalks . . . . .         |            | 6,239.60    |
| Repairs of stone paving . . . . .                                       |            | 985.88      |
| Repairs of brick sidewalks . . . . .                                    |            | 2,208.35    |
| Cleaning streets . . . . .  |            | 8,513.09    |
| Repairs of gravel sidewalks . . . . .                                   |            | 1,919.20    |
| Trimming trees . . . . .  |            | 471.65      |
| Setting trees . . . . .   |            | 220.85      |
| Removing trees . . . . .  |            | 347.70      |
| Wakefield gravel land . . . . .   |            | 17.46       |
| Destruction of Brown-tail Moth . . . . .                                |            | 585.60      |
|   |            | <hr/>       |
| <i>Amount carried forward</i> . . . . .                                 |            | \$60,233.91 |

|   |             |
|---|-------------|
| <i>Amount brought forward</i> . . . . .   | \$60,233.91 |
| Repairs of drinking fountains and setting same . . . . .  | 150.89      |
| Care and lighting of Kent and Sacramento street subways . . . . .                                   | 293.44      |
| Rebuilding fence, Sherman court, on line of premises owned by the heirs of Cyrus H. Stone . . . . . | 60.00       |
| Placing edgestones and circles on Somerville avenue, corner of Ibbetson street . . . . .            | 15.77       |
| Repairs of Boston Avenue bridge . . . . .   | 25.91       |
| Street crossings . . . . .  | 1,865.46    |
| Repairs of street crossings . . . . .   | 969.93      |
| Street signs erected . . . . .  | 307.94      |
| Superintendent's salary . . . . .   | 1,600.00    |
| Superintendent's team (board of) . . . . .  | 265.91      |
| Maintenance of Middlesex avenue bridge . . . . .  | 701.17      |
| Books, stationery and printing . . . . .  | 75.30       |
| Sundry small expenses . . . . .   | 690.66      |
| Value of materials on hand this day . . . . .   | 1,286.77    |
| Value of tools and personal property on hand this day: —  |             |
| Horses . . . . .  | \$3,125.00  |
| Carts and implements used with horses . . . . .   | 2,968.30    |
| Harnesses and horse clothing . . . . .  | 667.00      |
| Stable utensils and property . . . . .  | 202.50      |
| Tools . . . . .   | 1,211.30    |
| Hay and straw . . . . .   | 134.00      |
| Grain and feed . . . . .  | 61.00       |
| Stone crusher and fittings . . . . .  | 2,072.50    |
| Steam road rollers . . . . .  | 6,100.00    |
|   | <hr/>       |
|   | 16,541.60   |
|   | <hr/>       |
| Total debit . . . . .   | \$85,084.66 |
|   | <hr/>       |
| Balance unexpended . . . . .  | \$356.06    |
|   | <hr/> <hr/> |

The Profit and Loss account on city teams, tools, property, and materials is as follows :—

## CREDIT.

|                              |            |
|------------------------------|------------|
| Steam road rollers . . . . . | \$2,800.00 |
| City teams . . . . .         | 2,883.42   |
|                              | <hr/>      |
| Total . . . . .              | \$5,683.42 |

## DEBIT.

|   |             |
|---|-------------|
| Tools (depreciation) . . . . .  | \$ 270.13   |
| Repairs of tools . . . . .  | 64.02       |
| Stone crusher and fittings . . . . .  | 157.50      |
| Repairs of steam road rollers . . . . .                                       | 209.17      |
| Holland street ledge . . . . .  | 177.25      |
| Edgestones and paving stock . . . . .   | 28.26       |
| Crushed stone (to which amount<br>is charged repairs at<br>crusher) . . . . . | 2,031.59    |
|   | <hr/>       |
| Total . . . . .   | \$2,937.92  |
|   | <hr/>       |
| Net excess of credits over charges . . . . .                                  | \$2,745.50  |
|   | <hr/> <hr/> |

No charge has been made in the various streets where the steam road rollers have been used, except for the time of the engineers, which is at the rate of \$3.00 a day.

The charge for placing crushed stone on the streets has been the same as in years past, namely, seventy-five cents for each single horse load, which is in addition to the teaming.

Gravel and sand have been charged at fifty cents for each single load, exclusive of teaming.

The crusher has been in service 225 days during the past year.

|   |        |
|---|--------|
| Number of loads of stone crushed . . . . .  | 15,818 |
| Number of loads of stone sent to the crusher<br>from Holland street ledge during the year . . . . . | 157    |

The charges to the City Teams account are as follows : —

|  |             |
|--|-------------|
| Horses (depreciation)                                | \$ 685.00   |
| Carts and implements used with horses (depreciation) | 268.70      |
| Repairs of carts and implements                      | 1,034.35    |
| Harnesses and horse clothing (depreciation)          | 55.50       |
| Repairs of harnesses and horse clothing              | 170.89      |
| Stable utensils and property (depreciation)          | 55.69       |
| Stable expenses and repairs                          | 2,828 80    |
| Grain and feed                                       | 2,234.11    |
| Hay and straw  | 2,628.13    |
| Horseshoeing   | 694.90      |
| Horse medicine and doctoring                         | 143.01      |
|  | <hr/>       |
|  | \$10,799.08 |
|  | <hr/>       |

The horses have been credited with each day's actual work, at the rate of \$1.40 per day for each horse.

The cost of board for the horse used by the superintendent of streets is not included in statement under City Teams account, but is stated separately in the list of expenditures from Highways account, at the beginning of this report.

There are at present thirty-eight horses in use in the department (including the one used by the superintendent of streets), which are valued at \$3,125.00.

Six horses have been purchased during the year, at a cost of \$710.00 ; three horses have been sold, and one has died.

An additional steam road roller has been purchased, under authority of an order dated June 22nd, of the Buffalo Pitts Company, for the sum of \$3,190.00.

#### SIDEWALKS ACCOUNT.

##### CREDIT.

|                                |             |
|--------------------------------|-------------|
| Appropriation                  | \$15,000.00 |
| Transfer from Highways account | 167.41      |
|                                | <hr/>       |
| <i>Amount carried forward</i>  | \$15,167.41 |



|  |             |
|--|-------------|
| <i>Amount brought forward</i> . . . . .                                  | \$15,167.41 |
| Receipts from Sundry Persons constructing<br>private sidewalks . . . . . | 224.72      |
|  | <hr/>       |
| Total credit . . . . .   | \$15,392.13 |

## DEBIT.

## Expenditures :—

For advertising sidewalk hearings (sidewalks not constructed) . . . . . \$47.00

Abatements of sidewalk assessments on Crocker street (one estate) and Highland avenue (one estate) . . . . . 79.03

Fifty-three sidewalks, as per table in the City Engineer's report, entitled, "Table Showing Location and Cost of Edgestones and Brick Sidewalks," etc. . . . . 29,696.12

Constructing sidewalks for private parties, as per table . . . . . 418.12

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\$30,240.27

Less assessments . . . . . 14,848.14

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Cost to city . . . . . \$15,392.13

## PAVING WEBSTER AVENUE.

(From the Cambridge Line to the Fitchburg Railroad.)

## CREDIT.

Appropriation . . . . . \$7,000.00

---

*Amount carried forward* . . . . . \$7,000.00

|  |          |            |
|--|----------|------------|
| <i>Amount brought forward</i> . . . . .                      |          | \$7,000.00 |
| Transfer from paving Somerville<br>avenue . . . . .          | \$256.60 |            |
| Receipt, Highways account, set-<br>ting edgestones . . . . . | 30.35    | 286.95     |
|  | <hr/>    | <hr/>      |
| Total credit . . . . .                                       |          | \$7,286.95 |

## DEBIT.

## Expenditures:—

|   |            |
|---|------------|
| Patrick McGovern, on account<br>of contract . . . . .                                     | \$3,236.54 |
| Patrick McGovern, extras . . . . .  | 109.76     |
| S. & R. J. Lombard, edge-<br>stones, paving blocks and<br>flagging . . . . .              | 3,433.14   |
| W. A. Sanborn, bricks . . . . .   | 62.57      |
| Thomas Casey, bricks . . . . .  | 10.00      |
| George D. Goodrich, drain<br>pipe . . . . .   | 2.63       |
| David W. Lewis, cement . . . . .  | 3.00       |
| Osgood & Hart, grate and trap<br>Sewers, maintenance, use of<br>team and driver . . . . . | 9.58       |
|   | 4.57       |
| Margaret A. Simpson, sand . . . . .   | .50        |
| Labor . . . . .   | 161.41     |

|                       |            |
|-----------------------|------------|
| Total debit . . . . . | \$7,033.70 |
|-----------------------|------------|

|                              |          |
|------------------------------|----------|
| Balance unexpended . . . . . | \$253.25 |
|------------------------------|----------|

## PAVING OF SOMERVILLE AVENUE.

## CREDIT.

|   |          |
|---|----------|
| Unexpended balance of 1897 . . . . .                        | \$466.28 |
| Less transfer to paving Webster<br>avenue account . . . . . | 256.60   |
|   | <hr/>    |
| Total credit . . . . .                                      | \$209.68 |

|   |          |
|---|----------|
| <i>Amount carried forward</i> . . . . . | \$209.68 |
|---|----------|

*Amount brought forward* . . . . \$209.68

## DEBIT.

Expenditure :—

Soule, Dillingham & Co., final  
payment on account of  
paving Somerville avenue \$209.68

## CONSTRUCTION OF SUBWAY AT KENT STREET.

(Under Fitchburg Railroad.)

## CREDIT.

|  |          |          |
|--|----------|----------|
| Balance of Appropriation,<br>December 31, 1897 . . . | \$257.99 |          |
| Transfer from Subway, Sacra-<br>mento street . . . . | 49.16    |          |
| Transfer from Highways account                       | 99.65    |          |
|  | <hr/>    |          |
| Total credit . . . .                                 |          | \$406.80 |

## DEBIT.

Expenditure :—

Holbrook, Cabot & Daley,  
second and final payment  
on account of materials  
and labor furnished as per  
agreement October, 1897 \$406.80

## CONSTRUCTION OF SUBWAY AT SACRAMENTO STREET.

(Under Fitchburg Railroad.)

## CREDIT.

|   |          |          |
|---|----------|----------|
| Balance of Appropriation, December 31, 1897 . | \$561.50 |          |
| Less transfer to Subway, Kent street . .      | 49.16    |          |
|   | <hr/>    |          |
| Total credit . . . . .                        |          | \$512.34 |
|   | <hr/>    |          |
| <i>Amount carried forward</i> . . . .         |          | \$512.34 |

|   |          |
|---|----------|
| <i>Amount brought forward</i> . . . . . | \$512.34 |
|---|----------|

## DEBIT.

Expenditure :—

|  |          |
|--|----------|
| Holbrook, Cabot & Daley,<br>second and final payment<br>on account of materials<br>and labor furnished as per<br>agreement October, 1897 | \$512.34 |
|--|----------|

## STEAM ROAD ROLLER.

## CREDIT.

|                         |            |
|-------------------------|------------|
| Appropriation . . . . . | \$3,500.00 |
|-------------------------|------------|

## DEBIT.

Expenditure :—

|  |            |
|--|------------|
| Buffalo Pitts Co.; steam road roller . . . . . | \$3,190.00 |
|--|------------|

|                              |          |
|------------------------------|----------|
| Balance unexpended . . . . . | \$310.00 |
|------------------------------|----------|

## PAVING OF SOMERVILLE AVENUE, FROM PARK STREET, WESTERLY.

The final payment due Messrs. Soule, Dillingham & Co., for the paving of Somerville avenue, from Park street westerly, amounting to \$209.68, has been paid during the year, this being the only bill on this job which remained unpaid January 1st, 1898. The entire cost of the paving was \$9,743.40.

## PAVING OF WEBSTER AVENUE.

(From the Cambridge Line to the Fitchburg Railroad.)

By authority of an order dated July 13, Webster avenue has been paved from the Cambridge line to the Fitchburg Railroad. The paving blocks were furnished by S. and R. J. Lombard, at a cost of \$44.00 per thousand; 73,679 blocks were used, and 647 square feet of granite flagging laid. The contractor for the labor was Patrick McGovern, who was the lowest bidder. All bills are paid except the reserve, amounting to \$170.34, which will be due the contractor early the coming season.



CONSTRUCTION OF SUBWAYS AT KENT STREET AND  
SACRAMENTO STREET.

(Under the Fitchburg Railroad.)

The subways at Kent street and Sacramento street have been completed during the year. The balance, January 1st, to the credit of the Kent street subway, was \$257.99, to which were added transfers from the appropriation for the construction of the Sacramento street subway, amounting to \$49.16, and from Highways account amounting to \$99.65, making a total credit of \$406.80. This amount was expended on the final payment to Holbrook, Cabot & Daley, the contractors. The entire cost to the city for the construction of the subway was \$3,264.18.

The balance of the appropriation for the subway at Sacramento street, December 31st, 1897, was \$561.50. A transfer was made from this amount to the appropriation for the subway at Kent street of \$49.16, leaving a balance of \$512.34. This amount was the final payment due and which has been paid to Holbrook, Cabot & Daley, the contractors, for the construction of this subway. The entire cost to the city, for the construction of this subway, was \$2,950.84. The total cost of both subways, including the amount contributed by the Fitchburg Railroad (namely, \$5,500.00), was \$11,715.02. They have proved a great convenience to the people in the neighborhood, and are highly appreciated.

## EDGESTONE AND PAVING STOCK.

The contract for the furnishing of edgestones and paving stock (exclusive of the paving of Webster avenue) was awarded to S. & R. J. Lombard, they being the lowest bidders. Linear feet of edgestones set (including 3,860 feet reset), 22,292.4; square yards of brick paving laid (including 2,394 yards relaid), 19,381.8; square yards of stone paving laid (including 2,148 yards relaid), 8,526.

WEST END STREET RAILWAY COMPANY, TRACK LO-  
CATIONS, UNION SQUARE, BOW STREET, AND  
SUMMER STREET.

During the year the West End Street Railway Company has been granted new track locations in Union square, Bow

street, and Summer street, to near Central street. New sixty-foot girder rails have been laid by the company at an improved grade, the main track being in the middle of the street, and the turnouts longer and more conveniently located than formerly. The change is of advantage both to the company and its patrons. The tracks were relaid so late in the season that no work has since been done on the streets, but no doubt it will be taken up early in the spring and the streets put in thorough repair.

#### MISCELLANEOUS.

A stone drinking fountain has been set during the year on Broadway, near Winthrop avenue.

Field and ledge stone have been purchased at a cost of \$4,035.09; sand to the amount of \$840.90; and gravel to the amount of \$907.00.

Fifty-three sidewalks have been constructed at a cost of \$30,240.27, of which amount \$14,848.14 was assessed on abutting estates, leaving \$15,392.13 to be borne by the city. More money has been expended for sidewalks during the past year than in any previous year since 1874.

Marshall street, Cross street, Broadway, Sargent avenue, Bow street, Union square, and Somerville avenue, have been opened during the year for the construction of storm drains.

Beacon street has been opened its entire length, and Somerville avenue has been opened from the Fitchburg Railroad bridge to the North Cambridge line, by the Cambridge Gas Light Company, for the purpose of laying a sixteen-inch gas main.

Twenty-four streets have been opened by the Somerville Water Commissioners for the purpose of laying or relaying water pipes.

Mystic avenue has been filled to grade from Winthrop avenue to Wheatland street.

Forty-two street signs, six guide signs, and seven private-way signs, have been erected during the year.

Two hundred and seven shade trees have been planted, and 14 trees have been removed.

A stone culvert, with a concrete arch, has been constructed across College avenue, at the brook.

A twelve-ton steam road roller was purchased, under authority of an order dated June 22nd, from the Buffalo Pitts Company for the sum of \$3,190.00. The roller has been in service since the early part of the summer and has proved entirely satisfactory. The city has at the present time two road rollers in service.

During the year the city has expended \$585.60 in destroying the insect pest, known as the brown-tail moth.

Boston avenue bridge is in bad condition, and will have to be rebuilt, or a new one constructed, at an early day, as it now requires constant care.

#### WORKING EQUIPMENT OF THE DEPARTMENT.

The working equipment of the department is as follows:—  
38 horses, 11 double and 12 single carts and harnesses, 3 light wagons, 2 express wagons, 2 buggies, 2 sleighs, 4 road machines, 3 sweeping machines, 1 sectional road machine, 2 steam road rollers, 12 snow plows, 1 stone crusher with engine and boiler, one 20-horse power hopper, broken stone elevator with screens, 1 steam drill and boiler, tools used in street work, 1 blacksmith's shop and 1 carpenter's shop, with tools.

#### TABLES.

The following are tables of streets constructed, streets improved, driveways constructed, and crossings laid. These are in addition to the two tables, in the City Engineer's report, of streets accepted, and locations with cost of edgestones and brick sidewalks, and paved gutters.

TABLE A.  
STREETS CONSTRUCTED.

| NAME OF STREET.                | FROM                   | TO                      | LENGTH<br>IN FEET. |
|--------------------------------|------------------------|-------------------------|--------------------|
| Banks street . . . . .         | Elm street . . . . .   | Summer street . . . .   | 639                |
| Chauncey avenue . . .          | Mystic avenue . . . .  | Broadway . . . . .      | 1,320              |
| Cutter avenue . . . .          | Summer street . . . .  | Highland avenue . . .   | 430                |
| Jenny Lind avenue . . .        | Broadway . . . . .     | Medford street . . . .  | 610                |
| Morton street . . . . .        | Glen street . . . . .  | Knowlton street . . . . | 285                |
| Robinson street . . . .        | Central street . . . . | Bartlett street . . . . | 582                |
| Wigglesworth street . .        | Pearl street . . . . . | Bonair street . . . . . | 740                |
| Total length in feet . . . . . | . . . . .              | . . . . .               | 4,606              |

TABLE B.  
STREETS IMPROVED.

| STREET.                        | FROM                  | TO                   | IMPROVEMENT.                | FEET.  |
|--------------------------------|-----------------------|----------------------|-----------------------------|--------|
| Broadway . . .                 | Magoun square . .     | Arlington line . .   | Macadamized<br>Graveled and | 8,900  |
| Broadway . . .                 | Boston line . . . .   | Autumn street . .    | Macadamized                 | 2,800  |
| Boston avenue . .              | Medford line . . . .  | Alewife brook . .    | Macadamized                 | 910    |
| Bonner avenue . .              | Washington street     | Columbus avenue      | Macadamized                 | 450    |
| Cameron avenue . .             | Mead street . . . .   | Cambridge line . .   | Macadamized                 | 600    |
| Central street . .             | Railroad Bridge . .   | Albion street . . .  | Macadamized<br>Graveled and | 250    |
| Cedar street . . .             | Highland avenue . .   | Albion street . . .  | Macadamized                 | 400    |
| Cross street . . .             | Broadway . . . . .    | Pearl street . . . . | Macadamized                 | 1,150  |
| Curtis street . . .            | Broadway . . . . .    | Northerly . . . . .  | Macadamized                 | 800    |
| E. Newton street . .           | Prospect street . .   | Webster avenue . .   | Macadamized                 | 425    |
| Hancock street . .             | Summer street . . .   | Elm street . . . .   | Macadamized                 | 781    |
| Medford street . .             | School street . . . . | Gilman square . .    | Macadamized                 | 500    |
| Medford street . .             | Highland avenue . .   | Railroad bridge . .  | Macadamized                 | 1,250  |
| Mystic avenue . . .            | Winthrop avenue . .   | Wheatland street     | Macadamized                 | 100    |
| Pearl street . . . .           | Walnut street . . . . | Cross street . . . . | Macadamized                 | 1,600  |
| Somerville avenue .            | Kent street . . . . . | Cambridge line . .   | Macadamized                 | 2,600  |
| Springfield street             | Concord avenue . .    | Cambridge line . .   | Macadamized                 | 800    |
| Walnut street . . .            | Highland avenue . .   | Bow street . . . .   | Macadamized                 | 1,600  |
| Walnut street . . .            | Broadway . . . . .    | Pearl street . . . . | Macadamized                 | 1,400  |
| Total length in feet . . . . . | . . . . .             | . . . . .            | . . . . .                   | 27,316 |



TABLE C.

DRIVEWAYS CONSTRUCTED AT EXPENSE OF ABUTTERS.

| FOR                           | STREET.                    |
|-------------------------------|----------------------------|
| Benjamin F. Freeman . . . . . | Mount Vernon street.       |
| Henry L. Graustein . . . . .  | 98½ Prospect street.       |
| Aaron H. Patten . . . . .     | Porter street.             |
| Israel P. Rice . . . . .      | Linden avenue.             |
| George D. Wildes . . . . .    | 441-445 Somerville avenue. |
| Laurin A. Woodward . . . . .  | 126 Central street.        |

TABLE D.

SIDEWALKS CONSTRUCTED WHERE THE EDGESTONES AND BRICKS WERE FURNISHED OR PAID FOR BY THE ABUTTERS.

| FOR                                  | STREET.   | FEET OF<br>EDGESTONES. | YARDS OF<br>BRICKS. |
|--------------------------------------|---|------------------------|---------------------|
| John and Mathilda Beaudet . . . . .  | Cross st. and Chester ave. . . . .                  |                        | 44.6                |
| Edward Colliton . . . . .            | Allen street . . . . .                              | 93.7                   | 51.4                |
| Charles H. Crane . . . . .           | 37 Bradley street . . . . .                         |                        | 27.6                |
| City of Somerville (Public Property) | { Beech street, inside }<br>{ curbing Carr school } | 89.5                   |                     |
| Nathan J. Davis . . . . .            | 32 Bradley street . . . . .                         |                        | 28.8                |
| Charles A. Kenneson . . . . .        | 268-270 Broadway . . . . .                          |                        | 69.7                |
| James H. Maguire . . . . .           | Medford street . . . . .                            | 102.4                  | 105.                |
| Augusta M. Stilphen . . . . .        | 31 Lincoln ave . . . . .                            |                        | 17.2                |
| Henry A. Stevens . . . . .           | 16 Brastow ave . . . . .                            |                        | 31.2                |
| Sarah L. Spear . . . . .             | 22 Wigglesworth street . . . . .                    |                        | 27.8                |
| Amie Terrio . . . . .                | Vernon street . . . . .                             | 44.8                   | 35.6                |
| Total . . . . .                      |   | 330.4                  | 438.9               |

## TABLE E.

## STREET CROSSINGS LAID.

- Aldrich street, across same, in line with the westerly side of Pearl street.
- Ames street, across same, in line with the westerly side of Miner street.
- Bartlett street, across same, in line with the westerly side of Medford street.
- Boston street, across same, in line with the westerly side of Greenville street.
- Broadway, across same, in line with the easterly side of Glen street.
- Broadway, across same, in line with the westerly side of Central street.
- Broadway, across same, in line with the westerly side of Cedar street.
- Broadway, across same, in line with the westerly side of North street.
- Bonair street, across same, in line with the easterly side of Dana street.
- Cross street, across the head of Alston street.
- Cross street, across same, in line with the easterly side of Fountain avenue.
- Elm street, across same, in line with the westerly side of White street.
- Elm street, across same, in line with the northerly side of Beech street.
- Franklin street, across same, in line with the easterly side of Webster street.
- Franklin street, across same, in line with the southerly side of Perkins street.
- Highland avenue, across same, in line with the westerly side of Hamlet street.
- Highland avenue, across same, in line with the westerly side of Prescott street.

Highland avenue, across same, in line with the westerly side of Spring Hill terrace.

Highland avenue, across same, in line with the westerly side of Porter street.

Highland avenue, across same, in line with the westerly side of Crocker street.

Highland avenue, across same, in line with the westerly side of Lowell street.

Highland avenue, across same, in line with the westerly side of Tower street.

Highland avenue, at Davis square.

Hudson street, across same at angle.

Holland street, across same, in line with the southerly side of Irving street.

Medford street, across same, in line with the westerly side of Highland avenue.

Medford street, across same, in line with the northerly side of Tennyson street.

Medford street, across same, in line with the northerly side of Thurston street.

Medford street, across same, in line with the northerly side of Sycamore street.

Miner street, across same, in line with the easterly side of Highland avenue.

Pearl street, across same, in line with the westerly side of Walnut street.

School street, across same, in line with the southerly side of Medford street.

School street, across same, in line with the northerly side of Richdale avenue.

School street, in line with westerly side, at head of Avon street.

Summer street, in line with the westerly side of Preston street.

Summer street, across same, in line with the westerly side of Laurel street.

Summer street, in line with southwesterly side, at head of Ashland street.

Temple street, across same, in line with the westerly side of Heath street.

Walnut street, across same, in line with the southwesterly side of Summit avenue.

Washington street, crossing head of Kingman court.

F. DEWITT LAPHAM, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
COMMITTEE ON SEWERS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 8, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 9, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

---

IN COMMITTEE ON SEWERS, January 2, 1899.

TO THE BOARD OF ALDERMEN OF SOMERVILLE:—

The Committee on Sewers presents the following report for the year ending December 31, 1898:—

### MAINTENANCE ACCOUNT.

#### CREDIT.

|  |         |            |
|--|---------|------------|
| Appropriation . . . . .  |         | \$7,000.00 |
| Transfer from Interest account . . . . .   |         | 300.00     |
| Receipts and credits:—   |         |            |
| Sale of old iron . . . . .   | \$ 1.25 |            |
| Sale of lumber . . . . .   | 69.89   |            |
| Dividend on private sewer built<br>for Timothy Tufts in 1888 . . . . .               | 6.25    |            |
| City of Cambridge, repairs of<br>sewers . . . . .                                    | 63.22   |            |
| Schoolhouse, Spring Hill dis-<br>trict, drain work in cellar . . . . .               | 144.43  |            |
| Water maintenance, repairs<br>Washington street sewer . . . . .                      | 56.10   |            |
| Highways, paving Webster<br>avenue, changing line and<br>grade of manholes . . . . . | 4.57    |            |
|  |         | <hr/>      |
|  |         | 345.71     |
| Value of tools and property on hand January 1,<br>1898 . . . . .                     |         | 826.30     |
| Value of materials on hand January 1, 1898 . . . . .                                 |         | 113.32     |
| Bills receivable December 31, 1898 . . . . .   |         | 20.92      |
|  |         | <hr/>      |
| Total credit . . . . .   |         | \$8,606.25 |
|  |         | <hr/>      |
| Amount carried forward . . . . .   |         | \$8,606.25 |

*Amount brought forward* . . . . . \$8,606.25

## DEBIT.

## Expenditures : —

|   |            |            |
|---|------------|------------|
| For maintenance of sewers, including repairing and cleaning sewers and manholes .                             | \$2,383.45 |            |
| Maintenance of catch-basins   | 3,582.05   |            |
| Inspection of house drains .  | 368.02     |            |
| Franklin O. Reed, rent of water course across marsh to Mystic River . . .                                     | 300.00     |            |
| Changing line and grade of catch-basins . . . .   | 116.41     |            |
| Changing line and grade and repairing manholes . . .  | 247.40     |            |
| Cleaning cellars flooded by overcharged sewers . . .  | 106.32     |            |
| Laying drain at Martin W. Carr schoolhouse . . .  | 144.43     |            |
| Books, stationery and printing . . . . .  | 54.50      |            |
| Repairs of tools and property   | 87.82      |            |
| Sundry expenses . . . .   | 22.14      |            |
| Bills receivable January 1, 1898 .  | 91.92      |            |
| Depreciation in value of tools, property and materials . .  | 291.00     |            |
| Value of materials on hand December 31, 1898 . . . .  | 26.32      |            |
| Value of tools and property on hand December 31, 1898 (including purchases during the year, \$302.10) . . . . | 842.75     |            |
| Total debit . . . . .   |            | \$8,664.53 |
| Amount overdrawn . . . . .  |            | \$58.28    |



## CONSTRUCTION ACCOUNT.

## CREDIT.

|   |         |              |
|---|---------|--------------|
| Unexpended balance of 1897 . . . . .  |         | \$19,274.35  |
| Appropriated in 1898 . . . . .  |         | 25,000.00    |
| Appropriated from Water Works Income . . . . .  |         | 67,280.96    |
| Receipts and credits :—   |         |              |
| For catch-basin curbs in side-walks, received credit from Sidewalks account . . . . .         | \$13.39 |              |
| D. W. Crocker, payment on account of cost of construction of Day street storm drain . . . . . | 50.00   |              |
| Fee for draining estate in Cambridge into Line street sewer . . . . .                         | 33.54   |              |
| Manhole cover . . . . .   | 6.33    |              |
|   | <hr/>   | 103.26       |
| Common sewer assessments . . . . .  |         | 11,107.04    |
| Value of materials on hand January 1, 1898 . . . . .  |         | 191.41       |
| Unpaid bills of 1898 . . . . .  |         | 916.45       |
|   |         | <hr/>        |
| Total credit . . . . .  |         | \$123,873.47 |

## DEBIT.

## Expenditures :—

For the construction of sundry sewers, as follows :—

|  |            |              |
|--|------------|--------------|
| Moreland street . . . . .                | \$ 966.28  |              |
| Lincoln parkway . . . . .                | 463.53     |              |
| Broadway . . . . .                       | 4,051.92   |              |
| Windsor road . . . . .                   | 384.38     |              |
| Liberty avenue . . . . .                 | 1,340.59   |              |
| Waterhouse street . . . . .              | 603.83     |              |
| Garrison avenue . . . . .                | 680.20     |              |
| Farragut avenue . . . . .                | 749.56     |              |
|  | <hr/>      |              |
| <i>Amounts carried forward</i> . . . . . | \$9,240.29 | \$123,873.47 |

|  |             |              |
|--|-------------|--------------|
| <i>Amounts brought forward</i> .   | \$9,240.29  | \$123,873.47 |
| Endicott avenue . . .  | 850.02      |              |
| Victoria street . . .  | 644.82      |              |
| Woodstock street . . .   | 1,306.93    |              |
| Curtis street (final payment reserved) . . .                             | 988.16      |              |
| Somerville avenue, Section One (uncompleted) . .                         | 4,091.20    |              |
| Somerville avenue, Section Two (uncompleted) .                           | 9,193.95    |              |
| Raymond avenue (uncompleted) . . . . .                                   | 153.06      |              |
| North street and Raymond avenue (uncompleted) .                          | 1,572.22    |              |
| Jenny Lind avenue . . .  | 1,052.85    |              |
| Tennyson street . . . .  | 142.58      |              |
| Private Lands, between North street and Alewife Brook (uncompleted) .    | 83.80       |              |
| Packard avenue and Private Lands (uncompleted) .                         | 51.90       |              |
|  | <hr/>       |              |
|  | \$29,371.78 |              |
| Abatement of sewer assessment . . . . .                                  | 124.89      |              |
| City of Cambridge, on account Tannery Brook sewer . . . . .              | 754.77      |              |
| Land damages on account Tannery Brook sewer .                            | 450.00      |              |
| Balance on account of Winthrop avenue, storm-water drain and sewer . . . | 5,415.17    |              |
| Broadway and Cross street, storm-water drain . . .                       | 14,933.53   |              |
| Broadway and Sargent avenue, storm-water drain .                         | 13,884.32   |              |
|  | <hr/>       |              |
| <i>Amounts carried forward</i> .   | \$64,934.46 | \$123,873.47 |

|   |             |              |
|---|-------------|--------------|
| <i>Amounts brought forward</i> .  | \$64,934.46 | \$123,873.47 |
| Sherman court, Marshall street and Gilman square, storm-water drain . . .       | 19,973.88   |              |
| Union square, Bow and Summer streets, storm-water drain . . . . .               | 17,281.98   |              |
| Day street, storm-water drain   | 360.90      |              |
| Somerville avenue district, storm-water drain, engineering . . . . .            | 76.00       |              |
| Bell-mouth, Winthrop avenue at Broadway . . . .                                 | 755.67      |              |
| Tide-gate outlet, Winthrop avenue . . . . .                                     | 296.65      |              |
| Eastern district, storm drain outlet . . . . .                                  | 94.00       |              |
| Tannery Brook, storm drain, temporary outlet . . . .                            | 455.24      |              |
| Constructing manholes, East Somerville district, east of Cross street . . . . . | 272.33      |              |
| Constructing manholes at sundry sewers . . . . .                                | 14.65       |              |
| Building forty-two catch-basins . . . . .                                       | 1,715.22    |              |
| Books, stationery and printing . . . . .  | 17.75       |              |
| Sundry expenses . . . .   | 73.40       |              |
| Unpaid bills of 1897 . . .  | 596.21      |              |
| Depreciation in value of materials . . . . .                                    | 4.00        |              |
| Value of materials on hand December 31, 1898 . . .                              | 119.97      |              |
| Total debit . . . . .   |             | \$107,042.31 |
| Balance unexpended . . . . .  |             | \$16,831.16  |

A detailed statement of the work of this department during the year will be found in the report of the City Engineer.

For the Committee on Sewers,

ANDREW A. LAMONT, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
COMMITTEE ON FIRE DEPARTMENT.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

# CITY OF SOMERVILLE.

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IN COMMITTEE ON FIRE DEPARTMENT,  
December 31, 1898.

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Fire Department presents the following  
report for the year ending December 31, 1898:—

## FIRE DEPARTMENT ACCOUNT.

| CREDIT.   |             |                   |
|---|-------------|-------------------|
| Appropriation . . . . .   |             | \$56,000.00       |
| Credits:—   |             |                   |
| Sale of horses . . . . .  | \$128.40    |                   |
| Sale of old wheels . . . . .  | 20.00       |                   |
| Sale of manure . . . . .  | 28.00       |                   |
|   | <hr/>       | 176.40            |
| Total credit . . . . .  |             | <hr/> \$56,176.40 |
| DEBIT.  |             |                   |
| Expenditures:—  |             |                   |
| For salaries of permanent men<br>and substitute drivers . . . . .                     | \$29,996.70 |                   |
| Salaries of call men . . . . .  | 11,064.25   |                   |
| Improvements and repairs<br>of apparatus and vehicles . . . . .                       | 977.10      |                   |
| Improvements and repairs of<br>buildings and furniture<br>and new furniture . . . . . | 1,203.56    |                   |
| New horses . . . . .  | 625.20      |                   |
| Grain and feed . . . . .  | 1,139.17    |                   |
| Hay and straw . . . . .   | 1,636.31    |                   |
| Horseshoeing . . . . .  | 864.02      |                   |
|   | <hr/>       |                   |
| <i>Amounts carried forward . . . . .</i>  | \$47,506.31 | <hr/> \$56,176.40 |

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .              | \$47,506.31 | \$56,176.40 |
| Horse medicine and doctor-<br>ing . . . . .   | 138.43      |             |
| Harnesses and repairing<br>same . . . . .     | 366.36      |             |
| Fuel . . . . .                                | 1,322.07    |             |
| Gas . . . . .                                 | 312.39      |             |
| Electric lighting . . . .                     | 529.78      |             |
| Washing and ironing . . .                     | 346.16      |             |
| Water for hydrants and<br>buildings . . . . . | 4,425.68    |             |
| Ice . . . . .                                 | 67.92       |             |
| Insurance . . . . .                           | 5.00        |             |
| Fire extinguishers . . . .                    | 22.00       |             |
| Telephones, rentals and tolls                 | 159.91      |             |
| Supplies . . . . .                            | 422.62      |             |
| Incidentals . . . . .                         | 427.49      |             |
| Hose, and repairing same .                    | 1,180.53    |             |
|   | <hr/>       |             |
| Total debit . . . . .                         |             | \$57,232.65 |
|   |             | <hr/>       |
| Amount overdrawn . . . .                      |             | \$1,056.25  |
|   |             | <hr/> <hr/> |

FIRE DEPARTMENT. — FIRE STATION, CLARENDON HILL.

CREDIT.

|                         |             |
|-------------------------|-------------|
| Appropriation . . . . . | \$15,000.00 |
|-------------------------|-------------|

DEBIT.

Expenditures : —

|  |           |             |
|--|-----------|-------------|
| Loring & Phipps, on account<br>of architect's services . . | \$ 350.00 |             |
| Ezra T. Merrill, on account of<br>contract . . . . .       | 7,000.00  |             |
|  | <hr/>     |             |
| Total debit . . . . .                                      |           | \$7,350.00  |
|  |           | <hr/>       |
| Balance unexpended . . . .                                 |           | \$7,650.00  |
|  |           | <hr/> <hr/> |



Five new horses have been purchased during the year at a cost of \$672.20, and five have been sold for the sum of \$175.40.

By authority of an order dated February 9, a set of roller-bearing wheels and axles was purchased of the Archibald Wheel Co. at a cost of \$185.00, and placed on Chemical A wagon.

By authority of an order dated September 6, a contract was made with Mr. Ezra T. Merrill for the construction of a two-door fire station, to be located on the city's land on Holland street, corner of Newbury street, for the sum of \$13,957.00. The building is well under construction, and when finished will be one of the finest in the department. It will be completed and ready for occupancy in the coming spring. The architects were Messrs. Loring & Phipps.

The committee recommends that a bell and striker be placed in the tower of this building, as it would not only add greatly to the efficiency of the service, but would also be a great convenience to people residing in the neighborhood in obtaining the notice of no-school sessions in stormy weather.

The buildings are all in good condition, they having received the usual attention by the Committee during the year.

For details relating to the manual force and workings of the department, we refer to the report of the Chief Engineer.

For the Committee,

L. HERBERT HUNTLEY, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
CHIEF ENGINEER OF THE FIRE  
DEPARTMENT.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 8, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 9, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

---

OFFICE OF CHIEF OF FIRE DEPARTMENT,  
SOMERVILLE, MASS., December 31, 1898.

TO THE COMMITTEE ON FIRE DEPARTMENT.

*Gentlemen:*—The following information concerns the operations of the Fire Department for the year ending December 31, 1898.

|                        |           |     |
|------------------------|-----------|-----|
| Number of bell alarms  | . . . . . | 140 |
| Number of still alarms | . . . . . | 55  |

|              |           |     |
|--------------|-----------|-----|
| Total alarms | . . . . . | 195 |
|--------------|-----------|-----|

|                           |           |              |
|---------------------------|-----------|--------------|
| Total loss                | . . . . . | \$ 37,307.16 |
| Value of property at risk | . . . . . | 222,880.00   |
| Insurance on property     | . . . . . | 181,250.00   |

The manual force of the department consists of 105 men, as follows :—

|  |           |    |
|--|-----------|----|
| Chief of department                              | . . . . . | 1  |
| Assistant chief                                  | . . . . . | 1  |
| Three steam fire engine companies of 14 men each | . . . . . | 42 |
| Two hook and ladder companies of 13 men each     | . . . . . | 26 |
| Three hose companies of 10 men each              | . . . . . | 30 |
| One chemical company of 3 men                    | . . . . . | 3  |

|       |           |     |
|-------|-----------|-----|
| Total | . . . . . | 103 |
|-------|-----------|-----|

The buildings of the department are generally in good repair. A new fire station is in process of erection on Clarendon Hill, which will be completed early in the spring.

Two hook and ladder trucks.

Engine 4, 8,800 pounds.

|                     |   |   |   |   |   |   |   |          |
|---------------------|---|---|---|---|---|---|---|----------|
| Engine 1            | . | . | . | . | . | . | . | 3 horses |
| Engine 1 hose wagon | . | . | . | . | . | . | . | 2 horses |
| Engine 2            | . | . | . | . | . | . | . | 3 horses |
| Engine 2 hose wagon | . | . | . | . | . | . | . | 2 horses |

*Number carried forward* . . . . . 10 horses

|                               |            |
|-------------------------------|------------|
| <i>Number brought forward</i> | 10 horses. |
| Engine 4                      | 3 horses   |
| Combination chemical and hose | 3 horses   |
| Ladder 1                      | 3 horses   |
| Ladder 2                      | 3 horses   |
| Hose 2                        | 2 horses   |
| Hose 3                        | 2 horses   |
| Hose 5                        | 2 horses   |
| Chemical A                    | 2 horses   |
| Chief of Department           | 1 horse    |
| Spare                         | 1 horse    |
| <hr/>                         |            |
| Total                         | 32 horses  |

In addition there are three horses maintained but not owned by the department,—one of the assistant chief, and two of the wire department.

#### UNDERGROUND WIRES.

I renew my recommendation of last year, that all wires, except the trolley wires, be placed underground. In placing ladders to reach the upper stories of buildings, they are an obstacle that prevents quick work by the firemen. Another very important reason for placing wires underground was demonstrated during the year 1898. By reason of the great snow storm of February 1, the whole of the fire-alarm system was inoperative for several hours, and some of the circuits were unserviceable for several days, and the city in a perilous condition. When there is a great storm and the wind blows a gale, all the appliances for public safety, especially such as the fire-alarm telegraph and telephone systems, should be in perfect working condition to give the signal of danger, but at such times some portions of it are usually inoperative by reason of the situation of the wires on poles. If the wires of the fire-alarm and telephone systems were placed underground, where they would not be disturbed by the elements of wind and storm, their working would be perfect, and public safety assured, so far as these agencies are dependent upon to give correct information of trouble.

## BUILDING RESTRICTIONS.

I renew my recommendation of last year in regard to the placing of reasonable restrictions upon some buildings, such as stables and those covering an area of over 4,000 square feet of single floor space, and more than one story high. Such buildings should be required to be built of brick, stone, or iron, and the roof covered with some non-inflammable material. If shingled roofs could be prohibited, it would conduce towards keeping a fire near to the building in which it originated, and thereby assist in preventing a conflagration. Shingled roofs are a menace to the public safety; they should be prohibited. When they are dry, they quickly ignite from a spark that drops upon them, and readily kindle into a flame. The more numerous the shingled roofs, the greater the liability to roof fires.

## IMPORTANCE OF A GREATER WATER PRESSURE.

On the first day of February, there came a heavy snow storm. The three engines of the department could not be drawn any distance from their stations, and the horses provided for them were attached to the hose wagons, thus doubling the horse-power to draw these pieces of equipment to fires. We were to attach the hose to hydrants and get what water we could from them, and were therefore entirely dependent on the *hydrant pressure*. The superintendent of the water department employed extra men, and kept the standpipe full constantly for several days and nights, until the streets were in a condition to move the engines. Again, on November 27, and for several days thereafter, we were in a similar condition, — entirely dependent upon the water pressure in the hydrants. We were fortunate in not having any fires, except in low buildings. If there had been a fire in the upper story in any of our high buildings, it is doubtful if it could have been extinguished, as the water pressure was not sufficient to throw effective streams to that height. This shows the importance of having a sufficient water pressure at the hydrants when, for any reason, the steam fire engines are not available. When the Metropolitan Water Commissioners furnish us with water from the high-service reservoir, on the hills of Middlesex Fells, we shall learn just



what can be accomplished with the expected increased water pressure.

#### FIRE-ALARM TELEGRAPH.

The fire-alarm telegraph signal boxes have each been supplied with a key in the lock, covered with thin glass; by breaking the glass the key is readily accessible, and a quick alarm can be given. Many false alarms have been given by mischievous boys. This annoyance could be prevented to a large extent by using what is known as the Tooker keyless door, which causes a bell to ring when the door is opened and before the alarm is given. The ringing can be heard quite a distance, and will attract attention to the signal box. A person whose intention is to use it for the purpose of giving a false alarm is liable to be detected. I would recommend that a few of these doors be applied each year until all the boxes are equipped with them.

#### AID TO INJURED.

H. William Hutchins, driver of Engine No. 1, who has charge of this branch of the service, makes the following annual report. His services merit commendation. Arthur M. Gilman, of Engine Co. No. 4, has also rendered good service in this work.

SOMERVILLE, January 1, 1899.

TO THE CHIEF OF FIRE DEPARTMENT:—

In compliance with your request, I respectfully submit the following report of accident cases treated during the year 1898:—

|   |    |
|---|----|
| Whole number of cases . . . . .         | 35 |
| Accidents occurring at fires . . . . .  | 21 |
| Members of the department . . . . .     | 21 |
| Not members of department . . . . .     | 12 |
| Horses . . . . .                        | 2  |
| Wounds treated more than once . . . . . | 9  |

The more severely injured were Capt. B. H. Pond and Lieut. F. L. Draper of Hose No. 3, Assistant Engineman Walter H. Young of Engine 2, and Ladderman P. J. Fallon of Truck No. 1.

Respectfully,

H. W. HUTCHINS.

## CAUSE OF FIRES AND ALARMS.

|  |    |
|--|----|
| Accident . . . . .                         | 1  |
| Ashes . . . . .                            | 1  |
| Awning . . . . .                           | 2  |
| Bed . . . . .                              | 4  |
| Bonfire . . . . .                          | 1  |
| Breaking of lamp . . . . .                 | 10 |
| Breaking of lantern . . . . .              | 1  |
| Chimney . . . . .                          | 7  |
| Chimney, falling off . . . . .             | 1  |
| Children playing with matches . . . . .    | 4  |
| Children left candle burning . . . . .     | 1  |
| Children set fire to quilt . . . . .       | 1  |
| Cleaning furniture with naphtha . . . . .  | 1  |
| Curtain in contact with gaslight . . . . . | 2  |
| Cigar . . . . .                            | 2  |
| Closet fire . . . . .                      | 1  |
| Defective flue . . . . .                   | 1  |
| Dump . . . . .                             | 1  |
| Dropping of lighted matches . . . . .      | 7  |
| Drying plaster . . . . .                   | 1  |
| Electric wires . . . . .                   | 3  |
| Electric car . . . . .                     | 1  |
| Explosion of lamps . . . . .               | 4  |
| Explosion, materials unknown . . . . .     | 1  |
| False alarms . . . . .                     | 17 |
| Falling stove pipe . . . . .               | 1  |
| Fence . . . . .                            | 1  |
| Firecrackers . . . . .                     | 3  |
| Fire under boiler . . . . .                | 1  |
| Furnace . . . . .                          | 4  |
| Grass . . . . .                            | 3  |
| Greasy rags . . . . .                      | 1  |
| Incendiary . . . . .                       | 15 |
| Ignited from lamp . . . . .                | 1  |
| Kerosene oil can on stove . . . . .        | 1  |
| Lightning . . . . .                        | 2  |
| Matches and rats . . . . .                 | 1  |

|  |    |
|--|----|
| Naphtha lamp . . . . .                     | 1  |
| Oil stoves . . . . .                       | 8  |
| Oil ignited from lighted matches . . . . . | 1  |
| Overheated stove . . . . .                 | 1  |
| Overheated dryhouse . . . . .              | 1  |
| Rubbish . . . . .                          | 6  |
| Smoke mistaken for fire . . . . .          | 1  |
| Smoking in bed . . . . .                   | 1  |
| Spontaneous combustion . . . . .           | 2  |
| Sparks from pipe . . . . .                 | 1  |
| Sparks from forge . . . . .                | 1  |
| Sparks from hoisting engine . . . . .      | 1  |
| Sparks from bonfire . . . . .              | 1  |
| Sparks in wood box . . . . .               | 2  |
| Sparks on roof . . . . .                   | 3  |
| Sparks from locomotive . . . . .           | 14 |
| Thawing out water pipes . . . . .          | 3  |
| Thawing out gutters . . . . .              | 1  |
| Tinsmith's furnace . . . . .               | 1  |
| Unknown . . . . .                          | 8  |

## ROSTER.

|                               |                                     |                  |
|-------------------------------|-------------------------------------|------------------|
| James R. Hopkins . . . . .    | <i>Chief Engineer</i> . . . . .     | 27 Summit ave.   |
| Nathaniel C. Barker . . . . . | <i>Assistant Engineer</i> . . . . . | 12 Ellsworth st. |

## ENGINE CO. 1.

| Name.               | Born.           | Rank.            | Occupation. | Residence.      |
|---------------------|-----------------|------------------|-------------|-----------------|
| Edward W. Ring,     | May 6, 1847,    | Captain,         | Fireman,    | Medford st.     |
| Frank Langer,       | July 4, 1854,   | Lieutenant,      | Fireman,    | Trull lane.     |
| John W. Bartlett,   | Feb. 22, 1862,  | Engineman,       | Fireman,    | Otis st.        |
| Wm. A. Burbank,     | March 6, 1842,  | Ass't Engineman, | Fireman,    | Gilman st.      |
| Horace W. Hutchins, | Aug. 26, 1866,  | Driver,          | Fireman,    | Medford st.     |
| Henry J. Turner,    | Feb. 24, 1864,  | Driver,          | Fireman,    | Somerville ave. |
| Fred S. Young,      | Feb. 1, 1867,   | Hoseman,         | Inspector,  | Oxford st.      |
| Oscar J. Lingley,   | April 5, 1860,  | Hoseman,         | Milkman,    | Avon st.        |
| Benj. F. Johnson,   | Nov. 20, 1864,  | Hoseman,         | Inspector,  | Medford st.     |
| Sewall M. Rich,     | Nov. 6, 1866,   | Hoseman,         | Merchant,   | Medford st.     |
| Joseph W. Mess,     | Sept. 25, 1863, | Hoseman,         | Peddler,    | Chestnut ave.   |
| Harry J. Locke,     | April 25, 1871, | Hoseman,         | Undertaker, | Gilman st.      |

|                                |        |
|--------------------------------|--------|
| Feet of hose laid . . . . .    | 13,700 |
| Miles run . . . . .            | 318    |
| Feet of ladders used . . . . . | 140    |
| Extinguishers used . . . . .   | 9      |
| Bell alarms . . . . .          | 124    |
| Still alarms . . . . .         | 12     |

## ENGINE CO. 2.

| Name.                 | Born.           | Rank.            | Occupation.  | Residence.    |
|-----------------------|-----------------|------------------|--------------|---------------|
| Thomas H. Daly,       | April 3, 1845,  | Captain,         | Fireman,     | Cross st.     |
| John Frizzell,        | Oct. 14, 1856,  | Lieutenant,      | Fireman,     | Everett ave.  |
| Clarence W. Cook,     | Oct. 1, 1858,   | Engineman,       | Fireman,     | Arthur st.    |
| Walter H. Young,      | Dec. 25, 1869,  | Ass't Engineman, | Fireman,     | Oxford st.    |
| Louis E. Seymour,     | March 25, 1873, | Driver,          | Fireman,     | Brook st.     |
| Arthur C. Sellon,     | July 15, 1863,  | Driver,          | Fireman,     | Glen st.      |
| William J. Logan,     | July 4, 1842,   | Hoseman,         | Painter,     | Cross st.     |
| Robert Geaton,        | Feb. 22, 1861,  | Hoseman,         | Painter,     | Ellsworth st. |
| Chas. F. Garland,     | Nov. 15, 1871,  | Hoseman,         | Coal Dealer, | Ellsworth st. |
| Edward W. Burgess,    | Aug. 3, 1859,   | Hoseman,         | Peddler,     | Otis st.      |
| Cornelius A. Doherty, | April 30, 1873, | Hoseman,         | Milkman,     | Glen st.      |
| Caleb W. Kimball,     | July 16, 1874,  | Hoseman,         | Paperhanger, | Brook st.     |
| Fred W. Kimball,      | Aug. 11, 1866,  | Hoseman,         | Wood-worker, | Brook st.     |

|                                |        |
|--------------------------------|--------|
| Feet of hose laid . . . . .    | 10,550 |
| Miles run . . . . .            | 122    |
| Feet of ladders used . . . . . | 367    |
| Extinguishers used . . . . .   | 4      |
| Bell alarms . . . . .          | 76     |
| Still alarms . . . . .         | 6      |

## ENGINE CO. 4.

| Name.                | Born.           | Rank.            | Occupation.   | Residence.    |
|----------------------|-----------------|------------------|---------------|---------------|
| Samuel H. Stevens,   | May 18, 1842,   | Captain,         | Fireman,      | Highland ave. |
| Danforth S. Steele,  | Sept. 9, 1850,  | Lieutenant,      | Fireman,      | Leslie pl.    |
| Lindorf D. Bixby,    | Jan. 31, 1841,  | Engineman,       | Fireman,      | Highland ave. |
| John Gillooly,       | June 9, 1856,   | Ass't Engineman, | Fireman,      | Winslow ave.  |
| Charles H. Stearns,  | Dec. 7, 1854,   | Driver,          | Fireman,      | Highland ave. |
| Arthur M. Gilman,    | Aug. 19, 1866,  | Driver,          | Fireman,      | Holland st.   |
| Eugene H. Jones,     | June 17, 1864,  | Hoseman,         | Lineman,      | Chandler st.  |
| John F. Burton,      | Feb. 14, 1857,  | Hoseman,         | Painter,      | Highland ave. |
| James I. King,       | March 30, 1865, | Hoseman,         | Painter,      | Elm court.    |
| Joseph A. Sander,    | April 28, 1868, | Hoseman,         | Teamster,     | Holland st.   |
| George C. Creighton, | Sept. 18, 1865, | Hoseman,         | Type founder, | Cutter ave.   |
| John B. Rufer,       | March 16, 1869, | Hoseman,         | Blacksmith,   | Holland st.   |
| Geo. F. Bixby,       | March 27, 1869, | Hoseman,         | Salesman,     | Highland ave. |

|                                |        |
|--------------------------------|--------|
| Still alarms . . . . .         | 11     |
| Miles run . . . . .            | 132    |
| Feet of hose laid . . . . .    | 14,900 |
| Chemical hose laid . . . . .   | 6,000  |
| Feet of ladders used . . . . . | 400    |

## HOOK AND LADDER CO. 1.

| Name.                  | Born.          | Rank.                          | Occupation.  | Residence.      |
|------------------------|----------------|--------------------------------|--------------|-----------------|
| Melvin B. Ricker,      | Aug. 30, 1841, | Captain,                       | Fireman,     | Washington st.  |
| Horace P. Ewell,       | Feb. 27, 1857, | Lieutenant,                    | Fireman,     | Bow street pl.  |
| Richard F. Clarkson,   | May 18, 1859,  | Driver,                        | Fireman,     | Rossmore st.    |
| Wm. A. McLane,         | Jan. 7, 1859,  | Ladderman,                     | Engineer,    | Clark st.       |
| Patrick J. Fallon,     | March 3, 1859, | Ladderman,                     | Upholsterer, | Somerville ave. |
| James M. Gould,        | Dec. 10, 1845, | Ladderman,                     | Printer,     | Rush st.        |
| James D. Perkins, Jr., | Nov. 5, 1858,  | Ladderman,                     | Paperhanger, | Lake st.        |
| Martin S. Lacy,        | Oct. 18, 1862, | Ladderman,                     | Painter,     | Washington st.  |
| George A. Page,        | Aug. 15, 1855, | Ladderman,                     | Laborer,     | Webster ave.    |
| James E. Thompson,     | Sept. 1, 1869, | Ladderman,                     | Laborer,     | Webster st.     |
| John H. Ford,          | July 16, 1859, | Ladderman,                     | Painter,     | Oak st.         |
| George R. Dale,        | June 22, 1871. | Absent on leave in U. S. army. |              |                 |

|                          |             |
|--------------------------|-------------|
| Ladders raised . . . . . | 2,110 feet. |
| Miles run . . . . .      | 114         |



## REPORT OF THE CHIEF ENGINEER OF FIRE DEPARTMENT. 723

## HOOK AND LADDER CO. 2.

| Name.               | Born.           | Rank.       | Occupation.  | Residence.    |
|---------------------|-----------------|-------------|--------------|---------------|
| Irving C. Jackson,  | Sept. 10, 1847, | Captain,    | Fireman,     | Highland ave. |
| Charles E. Shaw,    | Oct. 13, 1854,  | Lieutenant, | Fireman,     | Highland ave. |
| Harry F. Bucknam,   | Sept. 21, 1872, | Driver,     | Fireman,     | Highland ave. |
| John E. Hill,       | Dec. 25, 1845,  | Ladderman,  | Salesman,    | Cherry st.    |
| Clarence H. Alley,  | March 16, 1869, | Ladderman,  | Carpenter,   | Highland ave. |
| Harry H. Whicher,   | May 23, 1864,   | Ladderman,  | R. R. Agent, | Holland st.   |
| Thomas McNee,       | Nov. 14, 1857,  | Ladderman,  | Roofer,      | Hersey st.    |
| Clarence T. Conant, | Dec., 1866,     | Ladderman,  | Milkman,     | Hudson st.    |
| Wm. J. Kennedy,     | March, 1864,    | Ladderman,  | Plumber,     | Alpine st.    |
| LeBaron Emery,      | May 11, 1860,   | Ladderman,  | Painter,     | Alpine st.    |

Feet of ladders used . . . . . 1,472  
Miles run . . . . . 151

## HOSE CO. 2.

| Name.                | Born.           | Rank.       | Occupation.  | Residence.    |
|----------------------|-----------------|-------------|--------------|---------------|
| Francis W. Ring,     | Aug. 7, 1859,   | Captain,    | Fireman,     | Wheatland st. |
| Daniel R. Spike,     | March 22, 1844, | Lieutenant, | Fireman,     | Broadway.     |
| Henry A. Angier,     | April 30, 1838, | Driver,     | Fireman,     | Jaques st.    |
| Charles H. Timson,   | May 27, 1861,   | Hoseman,    | Teamster,    | Marshall st.  |
| Wm. F. Marble,       | June 22, 1852,  | Hoseman,    | Fish Dealer, | Derby st.     |
| Melville G. Webber,  | July 10, 1871,  | Hoseman,    | Teamster,    | Jaques st.    |
| Almon M. Irish,      | April 2, 1867,  | Hoseman,    | Clerk,       | Sargent ave.  |
| Chas. A. Woodbury,   | Jan. 31, 1851,  | Hoseman,    | Foreman,     | Sargent ave.  |
| Harry V. Spike,      | Sept. 30, 1873, | Hoseman,    | Teamster,    | Broadway.     |
| Frederic E. Cushing, | Dec. 20, 1845,  | Hoseman,    | Painter,     | Walnut st.    |

Feet of hose laid . . . . . 10,200  
Miles run . . . . . 242½  
Feet of ladders used . . . . . 185  
Extinguishers used . . . . . none

## HOSE CO. 3.

| Name.               | Born.           | Rank.       | Occupation.   | Residence.     |
|---------------------|-----------------|-------------|---------------|----------------|
| Benj. H. Pond,      | Oct. 25, 1867,  | Captain,    | Fireman,      | Bonner ave.    |
| Frank L. Draper,    | July 31, 1852,  | Lieutenant, | Fireman,      | Chester ave.   |
| Charles H. Bridges, | Nov. 29, 1848,  | Hoseman,    | Machinist,    | Medford st.    |
| Francis S. Brown,   | Feb. 4, 1845,   | Hoseman,    | Watchman,     | Columbus ave.  |
| Thomas W. Joy,      | Feb. 22, 1856,  | Hoseman,    | Cooper,       | Bow Street pl. |
| John H. Cuddy,      | July 5, 1852,   | Hoseman,    | Clerk,        | Bow Street pl. |
| Alfred R. Higgins,  | Feb. 25, 1849,  | Hoseman,    | Cooper,       | Prospect st.   |
| Edward A. Parker,   | Oct. 29, 1851,  | Hoseman,    | Piano maker,  | Oxford st.     |
| George W. Bridges,  | March 22, 1876, | Hoseman,    | Confectioner, | Medford st.    |

Feet of hose laid . . . . . 10,800  
Miles run . . . . . 111  
Chemical extinguishers used . . . . . 19  
Feet of ladders used . . . . . 100  
Still alarm . . . . . 2

## HOSE CO. 5.

| Name.                | Born.           | Rank.       | Occupation. | Residence.      |
|----------------------|-----------------|-------------|-------------|-----------------|
| Edwin F. Trefren.    | March 28, 1858, | Captain,    | Fireman,    | Somerville ave. |
| Wm. J. Blaisdell,    | May 16, 1846,   | Lieutenant, | Fireman,    | Quincy st.      |
| Martin E. Driscoll,  | Dec. 21, 1872,  | Hoseman,    | Painter,    | Somerville ave. |
| Horace L. Dunklee,   | Dec. 12, 1854,  | Hoseman,    | Fireman,    | Somerville ave. |
| George R. Green,     | Feb. 27, 1866,  | Hoseman,    | Florist,    | Belmont st.     |
| Michael H. Kennedy,  | July 14, 1873,  | Hoseman,    | Laborer,    | Somerville ave. |
| Otto T. Teakles,     | March 22, 1871, | Hoseman,    | Plasterer,  | Belmont st.     |
| Wm. C. Trefren,      | Jan. 13, 1861,  | Hoseman,    | Carpenter,  | Somerville ave. |
| Daniel W. McDermott, | March 14, 1846, | Hoseman,    | Painter,    | Somerville ave. |

|                                       |        |
|---------------------------------------|--------|
| Feet of hose laid . . . . .           | 10,250 |
| Miles run . . . . .                   | 185    |
| Chemical extinguishers used . . . . . | 25     |
| Feet of ladders used . . . . .        | 650    |

## CHEMICAL ENGINE A.

| Name.             | Born.          | Rank.       | Occupation. | Residence.    |
|-------------------|----------------|-------------|-------------|---------------|
| Joseph A. Cribby, | Aug. 22, 1864, | Lieutenant, | Fireman,    | Thorpe pl.    |
| Jesse A. Lipsett, | Sept. 3, 1865, | Operator,   | Fireman,    | Thorpe pl.    |
| Wilfred S. Young, | Aug. 7, 1874.  | Hoseman,    | Fireman,    | Highland ave. |

|  |             |
|--|-------------|
| Bell alarms . . . . .                    | 140         |
| First alarms . . . . .                   | 140         |
| Second alarms . . . . .                  | 6           |
| Responded to bell alarms . . . . .       | 128         |
| Responded to still alarms . . . . .      | 11          |
| Miles run . . . . .                      | 351½        |
| Hose used . . . . .                      | 12,450 feet |
| Gallons of chemical water used . . . . . | 4,620       |
| Feet of ladders used . . . . .           | 240         |

There were 15 fires and 4 spark fires extinguished by Chemical A.

I desire to extend my thanks to His Honor, the Mayor, and the Committee on Fire Department for their co-operation in all matters appertaining to the department's efficiency.

J. R. HOPKINS,

*Chief of Fire Department.*

REPORT  
OF THE  
COMMITTEE ON FUEL AND  
STREET LIGHTS.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

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IN COMMON COUNCIL, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.



# CITY OF SOMERVILLE.

IN COMMITTEE ON FUEL AND STREET LIGHTS,  
December 31, 1898.

TO THE CITY COUNCIL OF SOMERVILLE : —

The following is the final report of the Committee on Fuel and Street Lights for the year ending December 31, 1898 : —

## SCHOOL FUEL ACCOUNT.

### CREDIT.

|                         |             |
|-------------------------|-------------|
| Appropriation . . . . . | \$10,000.00 |
|-------------------------|-------------|

### DEBIT.

Expenditures : —

For fuel at

|                               |           |
|-------------------------------|-----------|
| Bell school . . . . .         | \$ 704.52 |
| Bennett school . . . . .      | 131.95    |
| Bingham school . . . . .      | 343.88    |
| Burns school . . . . .        | 137.98    |
| Carr school . . . . .         | 260.84    |
| Cedar street school . . . . . | 44.74     |
| Cummings school . . . . .     | 136.72    |
| Davis school . . . . .        | 144.91    |
| Durell school . . . . .       | 232.63    |
| Edgerly school . . . . .      | 657.45    |
| Forster school . . . . .      | 438.37    |
| Franklin school . . . . .     | 5.25      |
| Glines school . . . . .       | 620.59    |
| Hanscom school . . . . .      | 349.68    |
| Harvard school . . . . .      | 24.47     |

|                                  |                   |                    |
|----------------------------------|-------------------|--------------------|
| <i>Amounts carried forward .</i> | <u>\$4,233.98</u> | <u>\$10,000.00</u> |
|----------------------------------|-------------------|--------------------|

|                                |            |             |
|--------------------------------|------------|-------------|
| <i>Amounts brought forward</i> | \$4,233.98 | \$10,000.00 |
| High school                    | 1,129.11   |             |
| Highland school                | 703.83     |             |
| Hodgkins school                | 596.57     |             |
| Jackson school                 | 168.69     |             |
| Knapp school                   | 833.99     |             |
| Lincoln school                 | 275.88     |             |
| Morse school                   | 627.16     |             |
| Pope school                    | 528.45     |             |
| Prescott school                | 454.64     |             |
| Prospect Hill school           | 204.53     |             |
| Incidentals                    | 8.75       |             |
| Total debit                    |            | \$9,765.58  |
| Balance unexpended             |            | \$234.42    |

## STREET LIGHTS ACCOUNT.

## CREDIT.

|               |             |
|---------------|-------------|
| Appropriation | \$45,000.00 |
|---------------|-------------|

## DEBIT.

|                                      |             |
|--------------------------------------|-------------|
| For electric lighting                | \$43,337.81 |
| Welsbach lighting                    | 487.75      |
| Changing locations of electric poles | 15.00       |
| Incidentals                          | 57.00       |
| Total debit                          | \$43,897.56 |
| Balance unexpended                   | \$1,102.44  |

In pursuance of an order dated May 11, 1898, the following proposals were received for the furnishing of fuel for the school-houses and public buildings of the city.

| NAMES OF BIDDERS.         | Furnace coal<br>per ton. | Egg coal<br>per ton. | Stove coal<br>per ton. | Soft wood<br>per cord. | Hard wood<br>per cord. |
|---------------------------|--------------------------|----------------------|------------------------|------------------------|------------------------|
| Baker-Hunnewell Co. . . . | \$4.31                   | \$4.44               | \$4.73                 | \$5.50                 | \$6.50                 |
| I. L. Smith . . . . .     | 4.24                     | 4.24                 | 4.24                   | 5.50                   | 6.75                   |
| Wellington-Wild Coal Co.  | 4.17                     | 4.32                 | 4.32                   | 4.75                   | 6.50                   |

The contract was awarded to the Wellington-Wild Coal Co., for one year from July 1, 1898. Under this contract \$9,765.58 was expended for fuel, and distributed in the various buildings, as shown in the table of expenditures; there remaining to the credit of this account, December 31, the sum of \$234.42.

### ELECTRIC STREET LIGHTS.

The number of street lights in the city January 1, 1898, was 361 arc lights, and 219 incandescent lights. Eight incandescent lights which were maintained at the subway at Kent street and Sacramento street have been discontinued. No lights have been added during the year, but since May 1 the city has maintained one incandescent light in Spring Hill terrace, theretofore provided by private enterprise. The present number of incandescent lights is 211.

The contract with the Somerville Electric Light Co. expired in October, 1897. Under that contract the city paid \$120.00 per year for each arc light and \$25.00 for each incandescent; deducting for outs at the rate of six cents for each hour that an arc light failed to burn, and one cent per hour for such failure of an incandescent light. The arc lights are of a nominal 1,200 candle power and the incandescents of twenty-five.

A new contract was made November 1, 1898, with the Somerville Electric Light Co., which will continue in force until November 1, 1900, and thereafter until a new contract shall have been made. Under this contract the price, dating from October 1, 1897, was reduced to \$110.00 per year for each arc light, but remained at \$25.00 for incandescents, remaining at the same as under the former contract. The deductions for outs per hour under the new contract are two and 87-100 cents for each arc light, and 65-100 cents for each twenty-five candle power incandescent light. If an arrangement be made for the introduction of any incandescent lights, the city should increase the power of the incandescent, thirty-two candle power; the price will be at the rate of \$30.00 per light, with a deduction of 78-100 cents per hour for each hour the lights refuse to burn, during the schedule time required.

## WELSBACH STREET LIGHTS.

Under authority of an order dated June 22, 1898, the Committee made a contract with the Welsbach Street Lighting Co. of America for the furnishing, for three years from September 15, 1898, of 117 street lights, and as many additional lights as the city may, from time to time, require. The price paid for each light is \$30.00 per year; the company furnishing everything required, including connections with gas mains, lighting, extinguishing, and cleaning the lights, and maintaining them at a uniform candle standard of candle power. At the present time there are 71 gas lights, and 46 naphtha lights in service. Your committee is much pleased with these lights and feels that they are a great improvement over the incandescent electric lights, as regards brilliancy, and for the reason that they do away with the necessity of erecting unsightly poles in our public streets for the purpose of supporting wires for electricity. We trust the Committee of 1899 will give these lights a thorough trial, and in so doing we feel that many more lights will soon be added to the number now in use. Streets that have never been lighted before are now provided with them, and the people are loud in their praise.

For the Committee,

JAMES F. DAVLIN, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
COMMITTEE ON PUBLIC PROPERTY.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 18, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

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IN COMMON COUNCIL, January 18, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk*.

# CITY OF SOMERVILLE.

---

IN COMMITTEE ON PUBLIC PROPERTY,  
December 31, 1898.

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Public Property presents the following report for the year 1898:—

## POLICE STATION INCIDENTALS ACCOUNT.

### CREDIT.

|                                  |            |
|----------------------------------|------------|
| Appropriation . . . . .          | \$2,000.00 |
| Receipts :—                      |            |
| For rent of court room . . . . . | 600.00     |
|                                  | <hr/>      |
| Total credit . . . . .           | \$2,600.00 |

### DEBIT.

|  |             |
|--|-------------|
| Expenditures :—  |             |
| For janitor's salary . . . . .                                       | \$850.00    |
| Gas . . . . .  | 546.04      |
| Water . . . . .  | 54.74       |
| Fuel . . . . .   | 312.93      |
| Supplies . . . . .   | 9.11        |
| Disinfectant . . . . .   | 30.50       |
| Labor . . . . .  | 28.00       |
| Repairs and improvements<br>of building and fur-<br>niture . . . . . | 267.14      |
|  | <hr/>       |
| Total debit . . . . .  | \$2,098.46  |
|  | <hr/>       |
| Balance unexpended . . . . .   | \$501.54    |
|  | <hr/> <hr/> |

## SCHOOLHOUSE INCIDENTALS ACCOUNT.

## CREDIT.

|                         |             |
|-------------------------|-------------|
| Appropriation . . . . . | \$17,000.00 |
|-------------------------|-------------|

## Receipts :—

|                                   |        |
|-----------------------------------|--------|
| For sand and gravel from Hodg-    |        |
| kins school lot . . . . .         | 50.00  |
| Insurance on account of fire      |        |
| at Prescott schoolhouse . . . . . | 250.00 |
| Cleaning furniture at Pres-       |        |
| cott schoolhouse . . . . .        | 4.00   |

|                        |             |
|------------------------|-------------|
| Total credit . . . . . | \$17,304.00 |
|------------------------|-------------|

## DEBIT.

## Expenditures :—

|                                      |            |
|--------------------------------------|------------|
| For repairs and improvements         |            |
| of buildings . . . . .               | \$8,085.46 |
| Furniture . . . . .                  | 2,407.32   |
| Repairing furniture . . . . .        | 167.20     |
| Repairing heating and ven-           |            |
| tilating apparatus . . . . .         | 1,582.83   |
| Flags and repairs of same . . . . .  | 139.88     |
| Care of grounds . . . . .            | 197.40     |
| Teaming furniture . . . . .          | 76.69      |
| Repairing blackboards . . . . .      | 370.62     |
| Maintenance of repair shop . . . . . | 166.16     |
| Water . . . . .                      | 1,268.31   |
| Gas . . . . .                        | 818.63     |
| Electric lighting . . . . .          | 44.25      |
| Electric current for motor . . . . . | 142.30     |
| Insurance . . . . .                  | 500.00     |
| Sidewalk assessment . . . . .        | 59.34      |
| Removing brown-tail moths . . . . .  | 28.75      |
| Cleaning vault . . . . .             | 12.00      |
| Tablet at Martin W. Carr             |            |
| school . . . . .                     | 60.00      |

|  |             |             |
|--|-------------|-------------|
| <i>Amounts carried forward . . . . .</i> | \$16,127.14 | \$17,304.00 |
|--|-------------|-------------|



|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .                 | \$16,127.14 | \$17,304.00 |
| Cleaning building after construction . . . . .   | 111.75      |             |
| School supplies . . . . .                        | 658.03      |             |
| Carriage hire, travelling expenses, etc. . . . . | 44.72       |             |
| Incidentals . . . . .                            | 4.65        |             |
|  | <hr/>       |             |
| Total debit . . . . .                            |             | \$16,946.29 |
|  |             | <hr/>       |
| Balance unexpended . . . . .                     |             | \$357.71    |
|  |             | <hr/>       |

The expenditures at the various schoolhouses were as follows :—

*Luther V. Bell.*

|                               |          |            |
|-------------------------------|----------|------------|
| Repairs and improvements .    | \$886.61 |            |
| Furniture . . . . .           | 131.90   |            |
| Repairing furniture . . . . . | 3.95     |            |
| Repairing heating apparatus . | 124.93   |            |
| Teaming furniture . . . . .   | 1.75     |            |
| Water . . . . .               | 139.12   |            |
| Gas . . . . .                 | 171.41   |            |
| Supplies . . . . .            | 10.60    |            |
|                               | <hr/>    | \$1,470.27 |

*Bennett.*

|                               |         |        |
|-------------------------------|---------|--------|
| Repairs and improvements .    | \$30.07 |        |
| Furniture . . . . .           | 52.70   |        |
| Repairing heating apparatus . | 20.50   |        |
| Water . . . . .               | 19.74   |        |
|                               | <hr/>   | 123.01 |

*Bingham.*

|                                |          |        |
|--------------------------------|----------|--------|
| Repairs and improvements .     | \$107.05 |        |
| Repairing heating apparatus .  | 13.49    |        |
| Teaming furniture . . . . .    | 1.00     |        |
| Flags and repairs same . . . . | 8.65     |        |
| Water . . . . .                | 33.60    |        |
|                                | <hr/>    | 163.79 |

|   |  |            |
|---|--|------------|
| <i>Amount carried forward</i> . . . . . |  | \$1,757.07 |
|---|--|------------|

*Amount brought forward* . . . . . \$1,757.07

*Burns.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$126.50 |        |
| Repairing furniture . . . . .         | 4.00     |        |
| Repairing heating apparatus . . . . . | 50.03    |        |
| Teaming furniture . . . . .           | 5.50     |        |
| Repairing blackboards . . . . .       | 69.44    |        |
| Flags and repairs same . . . . .      | 9.20     |        |
| Water . . . . .                       | 19.46    |        |
| Gas . . . . .                         | 2.03     |        |
|                                       | <hr/>    | 286.16 |

*Martin W. Carr.*

|  |          |          |
|--|----------|----------|
| Repairs and improvements . . . . .                   | \$352.95 |          |
| Furniture . . . . .                                  | 186.49   |          |
| Teaming furniture . . . . .                          | 18.75    |          |
| Flags and repairs same . . . . .                     | 15.00    |          |
| Water . . . . .                                      | 18.90    |          |
| Gas . . . . .  | 3.35     |          |
| Supplies . . . . .                                   | 53.39    |          |
| Insurance . . . . .                                  | 450.00   |          |
| Cleaning after construction of<br>building . . . . . | 111.75   |          |
| Tablet . . . . .                                     | 60.00    |          |
|  | <hr/>    | 1,270.58 |

*Cedar Street.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$128.26 |        |
| Repairing furniture . . . . .         | 2.00     |        |
| Repairing heating apparatus . . . . . | 16.75    |        |
| Flags and repairs same . . . . .      | 5.00     |        |
| Water . . . . .                       | 13.00    |        |
| Cleaning vault . . . . .              | 12.00    |        |
|                                       | <hr/>    | 177.01 |

*Amount carried forward* . . . . . \$3,490.82

*Amount brought forward* . . . . \$3,490.82

*Cummings.*

|                                       |         |        |
|---------------------------------------|---------|--------|
| Repairs and improvements . . . . .    | \$73.34 |        |
| Repairing heating apparatus . . . . . | 22.00   |        |
| Teaming furniture . . . . .           | .50     |        |
| Flags and repairs of same . . . . .   | 6.00    |        |
| Water . . . . .                       | 34.44   |        |
| Supplies . . . . .                    | 7.70    |        |
|                                       | <hr/>   | 143.98 |

*Davis.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$336.53 |        |
| Repairing furniture . . . . .         | .70      |        |
| Repairing heating apparatus . . . . . | 31.47    |        |
| Teaming furniture . . . . .           | 1.72     |        |
| Water . . . . .                       | 22.40    |        |
| Gas . . . . .                         | 2.76     |        |
| Supplies . . . . .                    | 1.09     |        |
|                                       | <hr/>    | 396.67 |

*George W. Durell.*

|                                       |         |        |
|---------------------------------------|---------|--------|
| Repairs and improvements . . . . .    | \$61.60 |        |
| Repairing heating apparatus . . . . . | 40.53   |        |
| Teaming furniture . . . . .           | 2.88    |        |
| Flags and repairs of same . . . . .   | 8.65    |        |
| Water . . . . .                       | 13.00   |        |
|                                       | <hr/>   | 126.66 |

*Edgerly.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$223.58 |        |
| Furniture . . . . .                   | 209.00   |        |
| Repairing heating apparatus . . . . . | 26.32    |        |
| Teaming furniture . . . . .           | 7.75     |        |
| Repairing blackboards . . . . .       | 90.08    |        |
| Flags and repairs of same . . . . .   | 6.00     |        |
| Water . . . . .                       | 15.42    |        |
| Gas . . . . .                         | 29.36    |        |
| Supplies . . . . .                    | 10.54    |        |
|                                       | <hr/>    | 618.05 |

*Amount carried forward* . . . . \$4,776.18

*Amount brought forward* . . . . \$4,776.18

*Forster.*

|                                       |            |          |
|---------------------------------------|------------|----------|
| Repairs and improvements . . . . .    | \$2,253.68 |          |
| Furniture . . . . .                   | 248.75     |          |
| Repairing furniture . . . . .         | 12.00      |          |
| Repairing heating apparatus . . . . . | 52.56      |          |
| Care of grounds . . . . .             | 3.75       |          |
| Teaming furniture . . . . .           | 8.10       |          |
| Flags and repairs of same . . . . .   | 11.00      |          |
| Water . . . . .                       | 104.93     |          |
| Gas . . . . .                         | 47.86      |          |
|                                       | <hr/>      | 2,742.63 |

*Franklin.*

|                                    |         |       |
|------------------------------------|---------|-------|
| Repairs and improvements . . . . . | \$20.46 |       |
| Water . . . . .                    | 25.00   |       |
|                                    | <hr/>   | 45.46 |

*Jacob T. Glines.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$447.14 |        |
| Repairing heating apparatus . . . . . | 124.13   |        |
| Care of grounds . . . . .             | 76.55    |        |
| Teaming furniture . . . . .           | 10.74    |        |
| Flags and repairs of same . . . . .   | 11.00    |        |
| Water . . . . .                       | 114.13   |        |
| Gas . . . . .                         | 9.65     |        |
| Supplies . . . . .                    | 11.95    |        |
|                                       | <hr/>    | 805.29 |

*Sanford Hanscom.*

|                                       |         |        |
|---------------------------------------|---------|--------|
| Repairs and improvements . . . . .    | \$54.38 |        |
| Repairing heating apparatus . . . . . | 43.03   |        |
| Teaming furniture . . . . .           | 2.00    |        |
| Flags and repairs of same . . . . .   | 6.00    |        |
| Water . . . . .                       | 25.00   |        |
| Gas . . . . .                         | 4.64    |        |
| Supplies . . . . .                    | 16 95   |        |
|                                       | <hr/>   | 152.00 |

*Amount carried forward* . . . . \$8,521.56



*Amount brought forward* . . . . . \$8,521.56

*Harvard.*

|                                       |         |       |
|---------------------------------------|---------|-------|
| Repairs and improvements . . . . .    | \$29.31 |       |
| Repairing heating apparatus . . . . . | 7.55    |       |
| Teaming furniture . . . . .           | 1.00    |       |
| Flags and repairs of same . . . . .   | 5.00    |       |
| Water . . . . .                       | 13.00   |       |
|                                       | <hr/>   | 55.86 |

*English High.*

|                                      |          |          |
|--------------------------------------|----------|----------|
| Repairs and improvements . . . . .   | \$361.46 |          |
| Furniture . . . . .                  | 573.43   |          |
| Repairing furniture . . . . .        | 64.41    |          |
| Teaming furniture . . . . .          | .50      |          |
| Flags and repairs of same . . . . .  | 4.19     |          |
| Gas . . . . .                        | 145.03   |          |
| Supplies . . . . .                   | 28.20    |          |
| Electric lighting . . . . .          | 44.25    |          |
| Electric current for motor . . . . . | 142.30   |          |
|                                      | <hr/>    | 1,363.77 |

*Latin High.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$254.73 |        |
| Furniture . . . . .                   | 42.53    |        |
| Repairing furniture . . . . .         | 15.00    |        |
| Repairing heating apparatus . . . . . | 113.83   |        |
| Water . . . . .                       | 279.12   |        |
| Gas . . . . .                         | 177.89   |        |
| Supplies . . . . .                    | 2.85     |        |
|                                       | <hr/>    | 885.95 |

*Highland.*

|  |          |             |
|--|----------|-------------|
| Repairs and improvements . . . . .       | \$238.02 |             |
| Furniture . . . . .                      | 105.75   |             |
| Repairing furniture . . . . .            | 15.00    |             |
| Repairing heating apparatus . . . . .    | 73.00    |             |
| Teaming furniture . . . . .              | .75      |             |
|  | <hr/>    |             |
| <i>Amounts carried forward</i> . . . . . | \$432.52 | \$10,827.14 |

|                                |          |             |
|--------------------------------|----------|-------------|
| <i>Amounts brought forward</i> | \$432.52 | \$10,827.14 |
| Flags and repairs of same      | 24.94    |             |
| Water                          | 28.14    |             |
| Gas                            | 61.45    |             |
| Supplies                       | 10.73    |             |
|                                | <hr/>    | 557.78      |

*William H. Hodgkins.*

|                             |          |        |
|-----------------------------|----------|--------|
| Repairs and improvements    | \$273.21 |        |
| Repairing heating apparatus | 307.31   |        |
| Care of grounds             | 42.75    |        |
| Teaming furniture           | 1.75     |        |
| Water                       | 58.66    |        |
| Gas                         | 16.48    |        |
| Supplies                    | 10.52    |        |
|                             | <hr/>    | 710.68 |

*Jackson.*

|                             |          |        |
|-----------------------------|----------|--------|
| Repairs and improvements    | \$408.47 |        |
| Repairing furniture         | 3.70     |        |
| Repairing heating apparatus | 28.65    |        |
| Teaming furniture           | 1.00     |        |
| Water                       | 13.00    |        |
| Supplies                    | 7.55     |        |
|                             | <hr/>    | 462.37 |

*O. S. Knapp.*

|                             |          |        |
|-----------------------------|----------|--------|
| Repairs and improvements    | \$208.27 |        |
| Furniture                   | 270.19   |        |
| Repairing furniture         | 4.20     |        |
| Repairing heating apparatus | 167.79   |        |
| Care of grounds             | 19.85    |        |
| Teaming furniture           | 1.00     |        |
| Repairing blackboards       | 53.92    |        |
| Flags and repairs of same   | 5.00     |        |
| Water                       | 24.64    |        |
| Gas                         | 54.94    |        |
| Supplies                    | 19.46    |        |
|                             | <hr/>    | 829.26 |

|                               |  |       |             |
|-------------------------------|--|-------|-------------|
| <i>Amount carried forward</i> |  | <hr/> | \$13,387.23 |
|-------------------------------|--|-------|-------------|

*Amount brought forward* . . . . \$13,387.23

*Lincoln.*

|                                       |         |        |
|---------------------------------------|---------|--------|
| Repairs and improvements . . . . .    | \$45.22 |        |
| Repairing furniture . . . . .         | 4.00    |        |
| Repairing heating apparatus . . . . . | 24.40   |        |
| Care of grounds . . . . .             | 2.50    |        |
| Teaming furniture . . . . .           | .50     |        |
| Flags and repairs of same . . . . .   | 5.00    |        |
| Water . . . . .                       | 13.00   |        |
| Supplies . . . . .                    | 1.36    |        |
| Insurance . . . . .                   | 50.00   |        |
|                                       |         | <hr/>  |
|                                       |         | 145.98 |

*Morse.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$140.70 |        |
| Furniture . . . . .                   | 205.78   |        |
| Repairing furniture . . . . .         | 12.00    |        |
| Repairing heating apparatus . . . . . | 57.72    |        |
| Teaming furniture . . . . .           | 2.75     |        |
| Repairing blackboards . . . . .       | 113.46   |        |
| Water . . . . .                       | 25.00    |        |
| Gas . . . . .                         | 15.95    |        |
| Supplies . . . . .                    | 11.90    |        |
|                                       |          | <hr/>  |
|                                       |          | 585.26 |

*Charles G. Pope.*

|                                       |          |        |
|---------------------------------------|----------|--------|
| Repairs and improvements . . . . .    | \$156.90 |        |
| Furniture . . . . .                   | 173.80   |        |
| Repairing heating apparatus . . . . . | 158.67   |        |
| Care of grounds . . . . .             | 52.00    |        |
| Teaming furniture . . . . .           | 1.50     |        |
| Flags and repairs of same . . . . .   | 3.25     |        |
| Water . . . . .                       | 74.74    |        |
| Gas . . . . .                         | 12.42    |        |
| Supplies . . . . .                    | 20.36    |        |
| Sidewalk assessment . . . . .         | 59.34    |        |
|                                       |          | <hr/>  |
|                                       |          | 712.98 |

*Amount carried forward* . . . . \$14,831.45

*Amount brought forward* . . . . \$14,831.45

*Prescott.*

|                                       |          |            |
|---------------------------------------|----------|------------|
| Repairs and improvements . . . . .    | \$627.38 |            |
| Furniture . . . . .                   | 207.00   |            |
| Repairing furniture . . . . .         | 21.75    |            |
| Repairing heating apparatus . . . . . | 32.68    |            |
| Teaming furniture . . . . .           | 2.75     |            |
| Repairing blackboards . . . . .       | 26.52    |            |
| Flags and repairs of same . . . . .   | 6.00     |            |
| Water . . . . .                       | 127.87   |            |
| Gas . . . . .                         | 63.41    |            |
| Supplies . . . . .                    | 21.10    |            |
|                                       | <hr/>    | \$1,136.46 |

*Prospect Hill.*

|  |          |                    |
|--|----------|--------------------|
| Repairs and improvements . . . . .                                   | \$239.64 |                    |
| Repairing furniture . . . . .  | 4.49     |                    |
| Repairing heating apparatus . . . . .                                | 45.49    |                    |
| Care of grounds . . . . .  | 2.50     |                    |
| Repairing blackboards . . . . .                                      | 17.20    |                    |
| Water . . . . .  | 13.00    |                    |
| Supplies . . . . .   | 2.90     |                    |
|  | <hr/>    | 325.22             |
| Maintenance of repair shop . . . . .                                 |          | 166.16             |
| School supplies (brushes, dusters, baskets, soap,<br>etc.) . . . . . |          | 408.88             |
| Removing brown-tail moths from trees in school-<br>yards . . . . .   |          | 28.75              |
| Carriage hire, travelling expenses, etc. . . . .                     |          | 44.72              |
| Incidentals . . . . .  |          | 4.65               |
|  |          | <hr/>              |
| Total debit . . . . .  |          | <u>\$16,946.29</u> |

SCHOOL CONTINGENT, JANITORS' SALARIES, ACCOUNT.

CREDIT.

|   |                   |
|---|-------------------|
| Appropriation . . . . .                 | \$17,000.00       |
| <i>Amount carried forward</i> . . . . . | <hr/> \$17,000.00 |



*Amount brought forward* . . . . \$17,000.00

DEBIT.

Expenditures :—

For salaries of janitors of school buildings for  
the year 1898 . . . . \$17,372.58

Amount overdrawn . . . . \$372.58

ARMORY ACCOUNT.

CREDIT.

Appropriation . . . . \$15,000.00

DEBIT.

Transfer to Schoolhouse, Spring  
Hill District account . . \$ 521.03

Transfer to Prospect Hill Park  
account . . . . 356.21

Transfer to Schoolhouse, Ward  
Two, account . . . . 4,000.00

Total debit . . . . \$4,877.24

Balance unexpended . . . . \$10,122.76

SUPPORT OF POOR, ALMSHOUSE, ACCOUNT.

CREDIT.

Appropriation . . . . \$20,000.00

Balance unexpended . . . . \$20,000.00

SCHOOLHOUSE, LAND IN WARD TWO, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1897 . . \$94.75

DEBIT.

Expenditures :—

For right to purchase, and payment on account  
of, land . . . . \$94.00

Balance unexpended . . . . \$ .75

## SCHOOLHOUSE, WARD TWO, ACCOUNT.

## CREDIT.

|   |             |             |
|---|-------------|-------------|
| Appropriation . . . . .                       | \$34,000.00 |             |
| Transferred from Armory account . . . . .     | 4,000.00    |             |
| Received from sale of old buildings . . . . . | 70.00       |             |
|   | <hr/>       |             |
| Total credit . . . . .                        |             | \$38,070.00 |

## DEBIT.

## Expenditures :—

|  |            |             |
|--|------------|-------------|
| Balance of amount paid for land and buildings . . . . .                    | \$9,122.00 |             |
| Taxes for 1898 . . . . .   | 139.53     |             |
| Prescott & Sidebottom, payment on account of architects' service . . . . . | 582.50     |             |
| Incidentals . . . . .  | 4.50       |             |
|  | <hr/>      |             |
| Total debit . . . . .  |            | \$9,848.53  |
|  |            | <hr/>       |
| Balance unexpended . . . . .   |            | \$28,221.47 |
|  |            | <hr/> <hr/> |

## SCHOOLHOUSE, ENGLISH HIGH, ACCOUNT.

## CREDIT.

|   |            |            |
|---|------------|------------|
| Appropriation . . . . .                                 | \$1,000.00 |            |
| Received from Schoolhouse Incidentals account . . . . . | 114.30     |            |
|   | <hr/>      |            |
| Total credit . . . . .                                  |            | \$1,114.30 |

## DEBIT.

## Expenditures :—

|   |          |             |
|---|----------|-------------|
| For carpenter work . . . . .                | \$379.30 |             |
| Heating and ventilating apparatus . . . . . | 165.00   |             |
| Ash cases . . . . .                         | 236.00   |             |
| Gas fixtures . . . . .                      | 25.00    |             |
| Telephones . . . . .                        | 309.00   |             |
|   | <hr/>    |             |
| Total debit . . . . .                       |          | \$1,114.30  |
|   |          | <hr/> <hr/> |

## SCHOOLHOUSE, SPRING HILL DISTRICT, ACCOUNT.

## CREDIT.

|  |             |             |
|--|-------------|-------------|
| Balance unexpended December 31, 1897 . . . . .         | \$32,920.57 |             |
| Appropriated in 1898 . . . . .                         | 6,000.00    |             |
| Transferred from Sewers Construction account . . . . . | 600.00      |             |
| Transferred from Armory account . . . . .              | 521.03      |             |
|  | <hr/>       |             |
| Total credit . . . . .                                 |             | \$40,041.60 |

## DEBIT.

## Expenditures :—

|   |             |             |
|---|-------------|-------------|
| W. L. Clark & Co., balance of contract for construction                 | \$27,330.00 |             |
| W. L. Clark & Co., extra work   | 1,468.89    |             |
| A. A. Sanborn, contract for heating and ventilating apparatus . . . . . | 5,500.00    |             |
| A. A. Sanborn, extra work . . . . .                                     | 215.00      |             |
| Aaron H. Gould, balance on account of architect's services . . . . .    | 874.32      |             |
| Highways account, edgestones  | 37.59       |             |
| Sidewalks account, labor and materials . . . . .                        | 23.80       |             |
| Sidewalk assessment . . . . .   | 69.60       |             |
| Drain work, sewer connection, etc. . . . .                              | 369.47      |             |
| Gas service pipe and connecting meter . . . . .                         | 24.46       |             |
| Blackboards . . . . .   | 28.60       |             |
| Gas fixtures . . . . .  | 83.05       |             |
| Furniture . . . . .   | 2,893.25    |             |
| Window shades . . . . .   | 169.56      |             |
| Building fence . . . . .  | 102.95      |             |
|   | <hr/>       |             |
| <i>Amounts carried forward</i> . . . . .                                | \$39,190.54 | \$40,041.60 |

|  |             |                    |
|--|-------------|--------------------|
| <i>Amounts brought forward</i> . . . . . | \$39,190.54 | \$40,041.60        |
| Stone steps . . . . .                    | 160.00      |                    |
| Mason work . . . . .                     | 149.30      |                    |
| Grading . . . . .                        | 257.50      |                    |
| Concreting . . . . .                     | 282.26      |                    |
| Running boiler . . . . .                 | 2.00        |                    |
|  | <hr/>       |                    |
| Total debit . . . . .                    |             | <u>\$40,041.60</u> |

### SCHOOLHOUSE, PRESCOTT, HEATING AND VENTILATING, ACCOUNT.

|  |           |                   |
|--|-----------|-------------------|
|  | CREDIT.   |                   |
| Appropriation . . . . .                                  |           | \$6,000.00        |
|  | DEBIT.    |                   |
| Expenditures :—  |           |                   |
| A. A. Sanborn, plans and specifications . . . . .        | \$ 165.27 |                   |
| Alexander Duncan & Co., on account of contract . . . . . | 3,000.00  |                   |
| Mason work . . . . .                                     | 54.37     |                   |
| Water service pipe . . . . .                             | 68.90     |                   |
| Plastering . . . . .                                     | 139.92    |                   |
| Lead pipe . . . . .                                      | 17.85     |                   |
| Plumbing . . . . .                                       | 69.92     |                   |
|  | <hr/>     |                   |
| Total debit . . . . .                                    |           | <u>\$3,516.23</u> |
|  |           | <hr/>             |
| Balance unexpended . . . . .                             |           | <u>\$2,483.77</u> |

### EXPENDITURES, BY THIS COMMITTEE, FROM MISCELLANEOUS ACCOUNT.

|  |            |
|--|------------|
| City Hall Expenses :—                              |            |
| For repairs and improvements of building . . . . . | \$677.15   |
| Furniture . . . . .                                | 431.02     |
| Repairing furniture . . . . .                      | 19.83      |
| Repairing heating apparatus . . . . .              | 6.65       |
|  | <hr/>      |
| <i>Amount carried forward</i> . . . . .            | \$1,134.65 |



|                               |            |            |
|-------------------------------|------------|------------|
| <i>Amount brought forward</i> | \$1,134.65 |            |
| Water . . . . .               | 43.68      |            |
| Fuel . . . . .                | 461.71     |            |
| Gas . . . . .                 | 19.20      |            |
| Electric lighting . . . . .   | 726.60     |            |
| Telephones . . . . .          | 584.42     |            |
| Supplies . . . . .            | 74.62      |            |
| Expressing bundles . . . . .  | 20.75      |            |
| Labor . . . . .               | 79.50      |            |
| Typewriting machine . . . . . | 92.25      |            |
| Ice . . . . .                 | 32.15      |            |
| Teaming rubbish . . . . .     | 7.00       |            |
|                               | <hr/>      | \$3,276.53 |

## City Hall Annex:—

|   |          |        |
|---|----------|--------|
| For repairs and improvements<br>of building . . . . . | \$ 19.03 |        |
| Repairing heating apparatus . . . . .                 | 47.50    |        |
| Water . . . . .                                       | 42.33    |        |
| Gas . . . . .   | 3.07     |        |
| Electric lighting . . . . .                           | 33.15    |        |
| Fuel . . . . .  | 123.52   |        |
| Janitor's salary . . . . .                            | 420.00   |        |
| Expressing bundles . . . . .                          | 1.15     |        |
| Awnings . . . . .                                     | 50.00    |        |
| Screens . . . . .                                     | 114.25   |        |
| Tablet . . . . .                                      | 55.00    |        |
|   | <hr/>    | 909.00 |

Maintenance of city messenger's teams . . . . . 595.20

## Election Expenses:—

|   |          |        |
|---|----------|--------|
| For fitting up polling places,<br>repairs of boxes, fittings,<br>etc. . . . . | \$315.73 |        |
| Care of rooms for elections<br>and caucuses . . . . .                         | 98.65    |        |
| Rent of rooms and halls for<br>elections and caucuses . . . . .               | 234.00   |        |
|   | <hr/>    | 648.38 |

Total expenditures . . . . . \$5,429.11

## ALMSHOUSE.

The committee regrets that so many unavoidable obstacles have delayed the purchase by the city of some suitable site for an almshouse. Early in the year the committee commenced to look about for some suitable location which might be secured, examining a number of pieces of property in the vicinity of Broadway and North street.

One of the estates considered by the committee was the estate of Levi Russell, fronting on Broadway and North street, containing about 435,600 square feet of land, with house, sheds and barn thereon, and the committee fully agreed that this estate was the most suitable for the purposes desired that could be obtained. Particularly was this considered to be a wise purchase for the city to make, since at an outlay of only a small amount, the buildings already on the land could be put in excellent condition for the use of the Poor department for a number of years.

After due consideration, the findings of the committee were reported to the city council and authority was granted to purchase the estate for the sum of \$18,000.00; but as a satisfactory title could not be given, the purchase has not been made.

It will probably be necessary to secure such legislation from the General Court as shall authorize the city to take the estate for almshouse purposes, and your committee recommends that such legislation be petitioned for as early in the year as possible.

## ARMORY.

The matter of providing better quarters for the local militia company is one that has been strongly urged before the city council for several years, and was carefully considered by His Honor, Mayor Perry, in his inaugural address of 1898. It seemed to the committee at the beginning of the year that this matter should be definitely settled, and that a new armory should be commenced at an early date, and acting upon the recommendations of the committee, the city council, on July 1st, appropriated the sum of \$15,000.00 for this purpose. But

previous to this appropriation being made, war had been declared, and our local company had been hurried away, with other Massachusetts companies, so the matter of an armory was allowed to remain dormant.

Whether or not the erection of an armory by the city at some future time will be necessary is at present an unsettled question, as the matter of ownership of armories is still under consideration by the General Court. The commission appointed by the Governor to inquire into the advisability of changing the militia laws, so that the Commonwealth should provide all armories, having reported in favor of the State owning, or leasing, and controlling armories, it would seem to this committee most wise to follow the recommendation of His Honor, Mayor Perry, made in his valedictory address to the city council, "that no money should be expended in the erection of an armory until the Legislature takes action on the recommendation of the commission."

#### SCHOOLHOUSE IN WARD TWO.

Land for a schoolhouse in Ward Two was secured early in the year, but the purchase was not consummated until after the appropriation for the same was made in July. The land purchased is situated on the northerly side of Washington street, near Dane street, with a frontage on Washington street of about 132 feet, and contains about 46,080 square feet. This is one of the largest school lots in the city, and, although at present it is planned to erect but a six-room building, the location of the building is such that it can be enlarged to twelve, or even eighteen rooms, if it should be considered advisable at any time. The cost of the land was \$9,216.00, together with taxes for 1898, which amounted to \$139.53.

Plans and specifications were prepared by Prescott & Sidebottom, architects, for a six-room brick building, two stories in height, with a ward-room in the basement; and a contract has been made with John A. Dodge for the construction of the building for the sum of \$23,300.00.

The work is now being carried on, under the contract, and will be completed, and the building ready for occupancy, for the fall term of 1899.

## MARTIN W. CARR SCHOOL.

This building, which was commenced by the committee of 1897, has been completed during the present year and was occupied at the beginning of the fall term in September.

There are fourteen large schoolrooms (it having been found necessary to convert the hall on the third floor into two schoolrooms), besides several smaller rooms originally designed for recitation rooms, but in which chairs and desks have been placed and which are being utilized as classrooms, making this the largest grammar school building in the city.

The total cost of the land and building, including heating and ventilating apparatus, furniture, fittings, etc., was \$62,121.03.

## PRESCOTT SCHOOLHOUSE, HEATING AND VENTILATING.

The old heating apparatus at this building, which had become too much worn to give satisfactory service, has been entirely removed and new apparatus substituted.

Plans and specifications for the work were prepared by A. A. Sanborn, and the contract was awarded to Alexander Duncan & Co. for the sum of \$5,509.00.

The present apparatus is of the most approved kind for steam heating and ventilating, and the ventilation is now most satisfactory and fully meets the requirements of the State inspection.

## ENGLISH HIGH SCHOOL.

During the summer vacation the draughting room on the upper floor has been considerably enlarged, the heating and ventilating system on this floor greatly improved and put in good order, and other general repairs and improvements have been made throughout the building.

A complete telephone system has been installed, bringing the several rooms into communication with the office.

## MISCELLANEOUS IMPROVEMENTS.

At the Forster schoolhouse the woodwork has been thoroughly cleaned and painted and new floors and stairs laid throughout the building.



The Davis, Jackson, and Prospect Hill schoolhouses have all been painted outside, and necessary repairs have been made upon them.

A detailed statement of the various repairs and improvements which have been made in the schoolhouses and public buildings during the year will be found in the report of the Superintendent of Public Buildings.

For the Committee,

SILAS L. CUMMINGS, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
SUPERINTENDENT OF PUBLIC  
BUILDINGS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

---

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,

January 2, 1899.

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:*—In compliance with City Ordinance No. 19, Section 8, this report is respectfully submitted.

Repairs, alterations, and additions have been made during the past year at the several city buildings, as follows:—

*Luther V. Bell School.*—Principal's office enlarged; furniture changed; new curtains to all windows; upper floors newly piped for gas and new fixtures for four rooms.

*Bennett School.*—Heating apparatus repaired; furniture repaired.

*Burns School.*—Furniture repaired; heating apparatus repaired.

*Bingham School.*—Heating apparatus repaired.

*Cedar Street School.*—Small repairs.

*Martin W. Carr School.*—This new building, which has been finished during the past year, is located on Beech street, and is one of the finest in the city. It contains 14 school-rooms and several recitation rooms, fitted with all modern improvements.

*Cummings School.*—Roof repaired; furniture cleaned and varnished; heating apparatus repaired.

*Davis School.*—Newly painted outside; ceilings whitened and furniture repaired.

*George W. Durell School.*—Heating apparatus repaired; furniture repaired.

*Edgerly School.*—Blackboard repaired; new adjustable furniture in one room; old furniture scraped and varnished.

*Forster School.*—New floors in all rooms; halls and stairs, all standing finish,—doors, etc., painted, grained, and varnished; ventilation improved; and the whole building put in fine condition. The wardroom has been used for school purposes since last April.

*Franklin School.*—This was discontinued on the opening of the Beech Street school.

*Jacob T. Glines School.*—Walls and ceilings in all the rooms and corridors tinted; furniture repaired; grading around the building finished; sods laid at the edge of all walks and the balance seeded down, making fine lawns.

*Sanford Hanscom School.*—Few repairs done.

*Harvard School.*—Heating apparatus repaired; furniture repaired.

*English High School.*—Improvements were made by enlarging drawing-room; heating and ventilating were improved; furniture repaired and varnished.

*Latin High School.*—Heating apparatus repaired. Small repairs needed this year.

*Highland School.*—Furniture repaired; new conductors for part of building; heating apparatus repaired.

*Jackson School.*—Newly painted outside; new outside steps; heating and plumbing repaired; furniture repaired; new curtains to all windows.

*O. S. Knapp School.*—Blackboard repaired; new shades in rooms, so that all windows have them; heating apparatus repaired; new cases put in four rooms; carpets in principal's and teachers' rooms.

*Lincoln School.*—Repairs on furniture and heating apparatus.

*Morse School.*—Heating apparatus and furniture repaired; new blackboards in several rooms.

*Charles G. Pope School.*—New shades in all rooms; furniture repaired, also heating apparatus.

*Prescott School.*—New heating and ventilating fan system adopted; blackboards in several rooms. A small fire between two floors caused some repairs,—two new floors being laid, walls painted and ceilings whitened. Adjustable furniture has been placed in two rooms.

*Prospect Hill School.* — Painted outside ; steps changed outside ; heating apparatus repaired, and such other repairs as were needed.

FREDERICK C. FULLER,  
*Superintendent of Public Buildings.*





REPORT  
OF THE  
INSPECTOR OF BUILDINGS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

---

IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk*.

# CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF BUILDINGS,

January 2, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:* — In accordance with city ordinance, the following report of this department for the year ending December 31, 1898, is respectfully submitted.

The number of building permits issued during the year was 344, covering 380 buildings, classified as follows:—

|                                     | WARDS. |    |     |     | TOTALS. |
|-------------------------------------|--------|----|-----|-----|---------|
|                                     | 1      | 2  | 3   | 4   |         |
| Single dwellings . . . . .          | 8      | 15 | 34  | 114 | 171     |
| Double dwelling-blocks . . . . .    | ..     | 2  | 2   | 1   | 5       |
| Alterations and additions . . . . . | 7      | 26 | 32  | 34  | 99      |
| Stables . . . . .                   | 3      | 2  | 13  | 7   | 25      |
| Stores . . . . .                    | 8      | 15 | 13  | 6   | 42      |
| Shops . . . . .                     | ..     | 3  | 3   | 2   | 8       |
| Offices . . . . .                   | 1      | 2  | ..  | ..  | 3       |
| Stores and tenements . . . . .      | ..     | .. | 1   | ..  | 1       |
| Sheds . . . . .                     | 6      | 7  | 4   | 3   | 20      |
| Storehouses . . . . .               | 2      | .. | 3   | ..  | 5       |
| Brick buildings . . . . .           | ..     | .. | 1   | ..  | 1       |
|                                     | 35     | 72 | 106 | 167 | 380     |
| Families . . . . .                  | 19     | 44 | 73  | 207 | 343     |

Frequent examinations have been made of buildings in course of construction or alteration, and in all cases of faulty construction, violation of ordinance, or danger from fire, the owners and builders have, on notice, complied with the orders of the Inspector.

Special attention has been given to the following cases : —

|   |   |
|---|---|
| Woodwork too near chimney . . . . .     | 5 |
| Cellar walls improperly built . . . . . | 2 |
| Brick partition wall ordered . . . . .  | 1 |

Great assistance was rendered by the police, by sending parties after permits before they had done any work. This gives the Inspector a chance to see the foundation put in.

City buildings have been erected, or additions made thereto, as follows : —

One new fourteen-room schoolhouse on Beech street. A new six-room schoolhouse is being erected on Washington street, Ward Two, to be completed before the September term opens. A new fire station is being erected on Holland street, Ward Four, which will be completed at an early date.

The best of results have been obtained from changes made in the building ordinance. I recommend that the present ordinance be revised this year and an ordinance made governing gas piping.

|   |     |
|---|-----|
| The number of plumbing permits issued during the year was . . . . . | 457 |
| Permits for plumbing in old buildings . . . . .                     | 255 |
| Permits for plumbing in new buildings . . . . .                     | 202 |
| Number of buildings in which pipes were tested with water . . . . . | 403 |

The Inspector has kept himself informed of the condition of the plumbing as the buildings have progressed, and, as necessity required, given directions how the work should be done.

The following is the number of licenses and renewals of licenses issued to plumbers during the year, under the Acts of 1893 and 1894, and receipts for the same paid to the City Treasurer : —

|   |                |
|---|----------------|
| Number of master plumbers' licenses issued, 6               | \$12.00        |
| Number of journeymen plumbers' licenses issued, 7 . . . . . | 3.50           |
| Number of master plumbers' licenses renewed, 21 . . . . .   | 10.50          |
| <i>Amount carried forward . . . . .</i>                     | <u>\$26.00</u> |



|  |         |
|--|---------|
| <i>Amount brought forward</i> . . . . .                          | \$26.00 |
| Number of journeymen plumbers' licenses<br>renewed, 14 . . . . . | 7.00    |
|  | <hr/>   |
|  | \$33.00 |

Applications for master plumbers' licenses rejected, 2.

Applications for journeymen plumbers' licenses rejected, 2.

Respectfully submitted,

FREDERICK C. FULLER,

*Inspector of Buildings.*



REPORT  
OF THE  
INSPECTOR OF MILK AND VINEGAR.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

---

OFFICE OF THE INSPECTOR OF MILK AND VINEGAR,  
50 MORRISON STREET, January 7, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen*:—I present herewith the following report for the year ending December 31, 1898:—

I have given to dealers in milk 165 licenses, and received in fees \$127.50. Of the 165 that took out licenses I find but fifty that confine their sales to this city alone, the remainder going into the surrounding cities and towns also. These dealers supply daily to their customers an average of 94 1-2 gallons, or a total of 15,728 gallons daily. Of this amount, only 1,138 gallons are raised by the dealers themselves, the balance coming in on the cars from the country towns.

While the number of licenses taken out is less than in some past years, the sales per license have greatly increased. This concentration of business has been the general tendency in most lines of trade the past few years. The rapid growth of the city has crowded out those that used to keep from one to three cows each.

There have also been taken out ninety permits to sell milk in stores of various kinds, showing a large increase of small stores or change of proprietors in old ones. These stores get their supply from the before-mentioned dealers.

I have during the year taken, from time to time, from different dealers, 425 samples, and tested the same by the lactoscope, and also taken the specific gravity of each sample, together with many samples brought in by dealers for that purpose, and made a record of each sample tested.

The tests for cream, or fat, show a much higher average than in the last two years, owing doubtless to the abundance of good

grass the past year, and also to the weeding from the herds of those breeds of cows whose milk has been found by tests made to be lacking in quality although abounding in quantity. While the quality has varied some in different months, owing to natural causes, there has been no indication of adulteration, and while some samples have been found defective in cream, I have traced the trouble to the defective manner of sales as generally made in most stores. If some uniform mode of sale could be established in stores and markets, each customer would get an average part of the cream, which all recognize as the most valuable part of milk. I have sent the customary notices in all cases where I have found a sample below the standard, and upon later tests have found the desired improvement.

I have kept office hours at Union, Gilman, and Davis squares, in May, for the convenience of the dealers in the different sections of the city in obtaining their annual licenses. I have found quite a number selling milk from carriages without a license, and quite indifferent as to the law in this respect, even after a personal notification. I have entered complaints against the most indifferent, and two have paid fines in the municipal court as the law provides.

I find most of the vinegar sold in Somerville is from the well-known works of Amos Haynes, the quality of which is always of the best, and considered everywhere as up to the standard. Have therefore had no complaint from any source in regard to that article.

Respectfully submitted,

CHARLES S. PHILBRICK,

*Inspector of Milk and Vinegar.*

REPORT  
OF THE  
INSPECTOR OF ANIMALS AND  
PROVISIONS

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 26, 1899.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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OFFICE OF INSPECTOR OF ANIMALS AND PROVISIONS,

January 2, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:* — I present the following report of the records of this office and duties performed by me for the year ending December 31, 1898.

There are five slaughtering establishments in the city, the proprietors and location of which and the number of animals slaughtered during the year are as follows:—

John P. Squire & Co. Corporation, Medford street, 759,380 swine; North Packing & Provision Co., Medford street, 877,093 swine; New England Dressed Meat & Wool Co., Medford street, 8,790 cattle, 40,443 calves, 405,767 sheep, 663 swine; Sturtevant & Haley Beef and Supply Co., Somerville avenue, 5,611 cattle; Mrs. Hertz Gunsenhiser, 104 North street, where slaughtering is done principally for the Jewish population, 724 cattle, 351 calves; total number of animals slaughtered in the city during the year, 2,098,822. All of the slaughtering establishments are at the present time in very good condition. Somerville is the third largest slaughtering city in the United States.

The number of animals received for export at the New England stock yards during the year was 51,572 cattle, 18,321 sheep, and 595 swine.

I have made 416 visits to slaughter houses, inspected the animals and the premises hereinafter referred to, and performed other duties, as follows:—

There are 287 cows in our city, 59 swine, and 3 sheep, kept for domestic purposes. Seven horses were quarantined, which were afterward killed by order of the State Board of Cattle

Commissioners, and 34 were killed by consent of the owners. All of these horses had contagious diseases. There are 391 grocery and provision stores in Somerville, and 313 wagons from which produce and provisions are sold on the street. Of these wagons, 200 are registered.

I have condemned and caused to be destroyed 29 calves, 7 cows, 3 swine, 4 sides of beef, 237 mackerel, 155 pounds of fish, 793 pounds of poultry, 7 livers, 10 bushels of vegetables, 77 boxes of berries, 95 dozen bananas, and 11 crates of tomatoes.

So far as possible, I have kept myself informed in regard to the duties of my office.

Respectfully,

CHARLES M. BERRY,

*Inspector of Animals and Provisions.*

REPORT  
OF THE  
SEALER OF WEIGHTS AND MEASURES.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 11, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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OFFICE OF SEALER OF WEIGHTS AND MEASURES,  
42 SARGENT AVENUE, SOMERVILLE, January 5, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:*—The report of the Sealer of Weights and Measures for the year 1898 is respectfully submitted, and is as follows:—

Number of weights and measures tested and sealed.

|                            |        |        |
|----------------------------|--------|--------|
| Scales . . . . .           | 1,017  |        |
| Weights . . . . .          | 2,881  |        |
| Dry measures . . . . .     | 1,245  |        |
| Liquid measures . . . . .  | 1,115  |        |
| Coal baskets . . . . .     | 31     |        |
| Yard sticks . . . . .      | 87     |        |
| Tin milk cans . . . . .    | 5,112  |        |
| Glass milk jars . . . . .  | 2,317  |        |
| Glass cream jars . . . . . | 10,393 |        |
|                            | <hr/>  | 24,198 |

Number of weights and measures tested and condemned.

|                           |       |        |
|---------------------------|-------|--------|
| Scales . . . . .          | 28    |        |
| Weights . . . . .         | 8     |        |
| Dry measures . . . . .    | 26    |        |
| Liquid measures . . . . . | 17    |        |
| Milk jars . . . . .       | 135   |        |
| Cream jars . . . . .      | 1,785 |        |
|                           | <hr/> | 1,999  |
| Scales tagged . . . . .   |       | 13     |
|                           |       | <hr/>  |
|                           |       | 26,210 |

In the year 1898 I tested double the number of weights and measures ever tested in any one year in this city. Of the whole number, 19,742 were tested in my office, and the balance, 6,468, were tested on the streets and in business places.

In April, notice was given through the Somerville papers for parties using weights or measures for buying or selling to bring them to the office to be tested ; and in June, July, August, September and October, I visited all places in Somerville where goods were bought or sold, tested and sealed all found correct, adjusted a great many, tagged 13 scales, and condemned all found beyond repair and useless.

Two hundred and seventy-seven peddlers and junk collectors have brought their weights and measures to the office to be tested, and I have looked over and tested their weights and measures every time I have met them on the streets. I found a great improvement in this class of dealers over 1897.

I find the glass milk and cream jars worse than any other measures. Of these measures I have tested 14,630, of which number 12,710 were correct, and sealed, and 1,920 were found to be incorrect and were condemned. People should take pains and see that these jars left at their houses as quarts, pints and half pints are sealed, as it will be seen that nearly 15 per cent. have been found incorrect. The seal is S., and the year '98 or '99, as the case may be, written with acid on the glass. As the acid eats in and cannot be erased, a bottle once sealed can always be identified. The Sealer marks the year in which the sealing is done, and before it the initial letter of the city or town in which he serves. Bottles sealed by me are marked S. '98 ; those sealed in Cambridge, C. '98, etc.

The expenses and receipts for the year 1898 are as follows : —

|   |          |          |
|---|----------|----------|
| Printing, advertising and postage . . . . . | \$ 16.25 |          |
| Stamps, brands and acid . . . . .           | 14.72    |          |
| Man and team . . . . .                      | 105.00   |          |
| Sealer's salary . . . . .                   | 400.00   |          |
|   | <hr/>    | \$535.97 |

|                                       |   |          |          |
|---------------------------------------|---|----------|----------|
| Fees collected and paid to treasurer  | . | \$278.93 |          |
| Fines collected and paid to treasurer | . | 25.00    |          |
| Net expense                           | . | 232.04   |          |
|                                       |   | <hr/>    | \$535.97 |

JOHN H. DUSSEAUT,

*Sealer of Weights and Measures.*





REPORT  
OF THE  
CITY SOLICITOR.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 8, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 9, 1899.

Referred to Committee on Printing, to be printed in the annual reports, in  
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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January 23, 1899.

TO THE HONORABLE, THE MAYOR, AND CITY COUNCIL OF THE  
CITY OF SOMERVILLE:—

*Gentlemen:*—I present herewith my report as City Solicitor for the year 1898.

The following cases pending in the courts were on the trial list or otherwise acted upon:—

1. Osborn *vs.* City of Somerville.—Before Superior Court for Middlesex County. Action for damages alleged to have been suffered by reason of change of grade of Porter street and Mountain avenue, opposite plaintiff's premises. Tried before Wm. Schofield, auditor, in September. Decision not yet rendered.

2. City of Somerville *vs.* City of Waltham.—Before Superior Court for Middlesex County. Action to recover back taxes paid on plaintiff's land in Waltham. Judgment for Somerville, and defendant appealed. The Supreme Court rendered a decision in favor of Somerville. This case was conducted by my predecessor in office. Judgment collected from defendant.

3. Reed *vs.* City of Somerville.—Before Superior Court for Middlesex County. Appeal from assessment of taxes of 1896.

4. Reed *et al. vs.* City of Somerville.—Before Superior Court for Middlesex County. Appeal from assessment of taxes of 1896.

5. Keef *vs.* City of Somerville.—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Bow street, October 16, 1896.

6. *Wilkinson vs. City of Somerville.*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Russell street, November 17, 1896. Settled for \$125.

7. *Knowles vs. City of Somerville.*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Franklin street, July 28, 1896. Tried and verdict rendered for \$450. Subsequently settled for \$400, without costs.

8. *A. W. Bryne Construction Company vs. City of Somerville.*—Before Superior Court for Middlesex County. Claim for damages on account of Tannery Brook sewer contract.

9. *City of Somerville vs. A. W. Bryne Construction Company et al.*—Before Superior Court for Middlesex County. Claim for damages on account of breach of Tannery Brook sewer contract.

10. *City of Somerville vs. A. W. Bryne Construction Company.* Before Superior Court for Middlesex County. Claim for damages on account of breach of Tannery Brook sewer contract. The above three cases were referred to an auditor.

11. *Annie E. McCarthy et al. vs. City of Somerville.*—Before Superior Court for Middlesex County. Petition for damages on account of land taken for Tannery Brook sewer.

12. *John Byrnes vs. City of Somerville.*—Before Superior Court for Middlesex County. Petition for damages on account of land taken for Tannery Brook sewer. Settled for \$450.

13. *Daniel L. Demmon vs. City of Somerville.*—Before Superior Court for Middlesex County. Petition for damages on account of land taken for Tannery Brook sewer.

14. *Martin W. Carr vs. City of Somerville.*—Before Superior Court for Middlesex County. Petition for damages on account of land taken for Tannery Brook sewer.

15. *Patrick Flynn vs. City of Somerville.*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Concord avenue, May 28, 1897. Tried, and jury rendered a verdict in favor of the city.



16. Berry *et al. vs.* E. F. Staples, City of Somerville, trustee.—Before Police Court of Somerville. Question of trusteeing amounts due contractor for Sanford Hanscom School.

17. William A. Sanborn *vs.* E. F. Staples, City of Somerville, trustee.—Before Somerville Police Court. Question of trusteeing amounts due contractor for Sanford Hanscom School.

18. Reed *vs.* City of Somerville.—Before Superior Court for Middlesex County. Appeal from assessment of taxes of 1897.

19. Read *et al. vs.* City of Somerville.—Before Superior Court for Middlesex County. Appeal from assessment of taxes of 1897.

20. Quirk *vs.* City of Somerville.—Before Superior Court for Suffolk County. Action for personal injuries alleged to have been received on Broadway, July 23, 1897. Settled for \$276.59.

21. Davis *vs.* City of Somerville.—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Beacon street, November 10, 1896. Settled by payment of \$215 by the Somerville Electric Light Company and \$100 by the city.

22. McCarthy *vs.* City of Somerville.—Before Superior Court for Middlesex County. Petition to enforce a mechanic's lien on the Sanford Hanscom Schoolhouse. Dismissed by agreement.

23. McCarthy *vs.* Staples and City of Somerville, trustee.—Before Police Court of Somerville. Question of trusteeing amounts due contractor for Sanford Hanscom Schoolhouse.

24. Berry *et al. vs.* Staples and City of Somerville, trustee.—Before Police Court of Somerville. Question of trusteeing amounts due contractor for Sanford Hanscom Schoolhouse. Second action.

25. Staples *vs.* City of Somerville.—Bill in equity, Superior Court, to determine rights of parties claiming the balance due contractor for erection of Sanford Hanscom Schoolhouse.

26. Joan C. Garth *vs.* City of Somerville.—Action for personal injuries alleged to have been received on Day street, December 21, 1897. Settled for \$500.

27. Ella A. Duggan *vs.* City of Somerville. — Action for personal injuries alleged to have been received in subway under the Fitchburg Railroad.

28. Dorey *vs.* City of Somerville and others. — Bill in equity, Superior Court, to determine rights of parties claiming the balance due contractor for construction of sewer in Winthrop avenue. Dismissed by agreement.

29. Dorey *vs.* City of Somerville. — Superior Court. Action to recover balance due contractor for construction of sewer in Winthrop avenue.

30. City of Somerville *vs.* Boston & Maine Railroad. — Bill in equity, Superior Court, Middlesex County, to maintain rights of drainage east of Middlesex avenue.

31. City of Somerville *vs.* Administrators of estate of Mary Loomis. — Suffolk Superior Court. Action to recover for aid rendered by the Overseers of the Poor.

32. Collector of Taxes *vs.* Cleary. — Middlesex Superior Court. Action to recover taxes.

33. Collector of Taxes *vs.* Morgan. — Middlesex Superior Court. Action to recover taxes.

34. Giles *vs.* City of Somerville. — Middlesex Superior Court. Action to recover for personal injuries alleged to have been received on Broadway, April 27, 1898.

35. Ames *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for lowering grade of Middlesex avenue.

36. Macomber *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for injuries alleged to have been received on Broadway, November 6, 1898.

37. Carroll *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for injuries alleged to have been received on Medford street, January 26, 1896.

38. Mahoney *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for injuries alleged to have been received on Lowell street, November 20, 1897.

39. Ida M. Wiley *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for injuries alleged to have been received on Flint street, April 16, 1896.

40. Henry O. Wiley *vs.* City of Somerville. — Middlesex Superior Court. Action to recover damages for injuries alleged to have been received on Flint street, April 16, 1896.

41. Petition by the Fitchburg Railroad Company before the County Commissioners for alterations of the Beacon street bridge. Several hearings were held, an agreement was given by the railroad to secure the city against all expense, and a decree satisfactory to the City Engineer has been made by the commissioners.

Respectfully submitted,

FRANK W. KAAN,

*City Solicitor.*





REPORT  
OF THE  
CITY CLERK.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 25, 1899.

Referred to Committee on Printing, to be printed in the annual reports.  
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 26, 1899.

Referred to Committee on Printing, to be printed in the annual reports,  
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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OFFICE OF THE CITY CLERK,  
January 25, 1899.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL.

*Gentlemen:* — The following is respectfully submitted as the twenty-seventh annual report of the City Clerk of the City of Somerville, and is for the year ending December 31, 1898: —

### CASH.

The receipts and payments were as follows: —

#### RECEIPTS.

|  |            |            |
|--|------------|------------|
| Balance from year 1897, being for dog license issued in December, 1897,      |            |            |
| 1 male . . . . .   | \$ 2.00    |            |
| Less city clerk's fee paid to the city treasurer in December, 1897 . . . . . | .20        |            |
|  | <hr/>      | \$ 1.80    |
| For dog licenses issued in 1898: —   |            |            |
| 1,012 males at 2.00 . . . . .  | \$2,024.00 |            |
| 125 females at 5.00 . . . . .  | 625.00     |            |
| 11 spayed at \$2.00 . . . . .  | 22.00      |            |
|  | <hr/>      | 2,671.00   |
| Recording mortgages, assignments, etc., 830 papers . . . . .                 | \$499.50   |            |
| Certificates of marriage intentions, 567 at \$0.50 . . . . .                 | 283.50     |            |
| Furnishing copies of records . . . . .                                       | 30.75      |            |
|  | <hr/>      |            |
| <i>Amounts carried forward . . . . .</i>                                     | \$813.75   | \$2,672.80 |

|  |          |                          |
|--|----------|--------------------------|
| <i>Amounts brought forward</i> . . .   | \$813.75 | \$2,672.80               |
| Licenses :—  |          |                          |
| To collect junk, 37 at \$2.00 . . .  | 74.00    |                          |
| For intelligence offices, 9 at \$2.00 . . .  | 18.00    |                          |
| For billiard and pool tables and<br>bowling alleys, 7 licenses, for<br>17 tables and 5 alleys, at \$2.00 . . . | 44.00    |                          |
| For recording and issuing liquor<br>licenses, 22 at \$1.00 . . .   | 22.00    |                          |
| For light lunch wagon stand, 1 . . .   | 2.00     |                          |
| To private detectives, 3 at \$10.00 . . .  | 30.00    |                          |
| To auctioneers, 20 at \$2.00 . . .   | 40.00    |                          |
| To sell fireworks, 81 at \$1.00 . . .  | 81.00    |                          |
| For amusements, 1 (tent show, 2<br>days) . . . \$60.00<br>58 at \$1.00 . . . 58.00<br>—————                    | 118.00   |                          |
| To street musicians, 39 persons<br>at \$0.50 . . . . .   | 19.50    |                          |
| To slaughter cattle, 3 at \$1.00 . . .   | 3.00     |                          |
|  | —————    | 1,265.25                 |
| Total receipts . . . . .   |          | <u><u>\$3,938.05</u></u> |

## PAYMENTS.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1897 to November 30, 1898, both inclusive :—

|  |            |                          |
|--|------------|--------------------------|
| 896 males at \$2.00 . . . . .                        | \$1,792.00 |                          |
| 108 females at \$5.00 . . . . .                      | 540.00     |                          |
| 11 spayed at \$2.00 . . . . .                        | 22.00      |                          |
|  | —————      |                          |
|  | \$2,354.00 |                          |
| Less city clerk's fees, 1,015 at<br>\$0.20 . . . . . | 203.00     |                          |
|  | —————      | \$2,151.00               |
| <i>Amount carried forward</i> . . . . .              |            | <u><u>\$2,151.00</u></u> |



|   |           |                          |
|---|-----------|--------------------------|
| <i>Amount brought forward</i> . . . . .   |           | \$2,151.00               |
| To John F. Cole, city treasurer,<br>monthly:—   |           |                          |
| City clerk's fees for issuing and<br>recording dog licenses, 1,148<br>at \$0.20 . . . . . | \$ 229.60 |                          |
| All the receipts above specified,<br>except for dog licenses . . . . .                    | 1,265.25  |                          |
|   |           | <u>1,494.85</u>          |
| Total payments . . . . .  |           | <u><u>\$3,645.85</u></u> |

|  |               |                        |
|--|---------------|------------------------|
| Balance January 1, 1899, being for<br>dog licenses issued in De-<br>cember:— |               |                        |
| 117 males at \$2.00 . . . . .  | \$234.00      |                        |
| 17 females at \$5.00 . . . . .   | 85.00         |                        |
|  | <u>319.00</u> |                        |
| Less city clerk's fees paid to city<br>treasurer, 134 at \$0.20 . . . . .    | 26.80         |                        |
|  |               | <u><u>\$292.20</u></u> |

## BIRTHS.

|  |              |              |
|--|--------------|--------------|
| Number of births in Somerville<br>in 1898 registered . . . . . |              | 1,519        |
| Less than previous year . . . . .                              |              | 4            |
| Males . . . . .  | 803          |              |
| Females . . . . .  | 716          |              |
|  | <u>1,519</u> |              |
| Born of American parents . . . . .                             | 520          |              |
| Born of foreign parents . . . . .                              | 677          |              |
| Born of American father and<br>foreign mother . . . . .        | 160          |              |
| Born of foreign father and<br>American mother . . . . .        | 153          |              |
|  | <u>1,510</u> |              |
| <i>Numbers carried forward</i> . . . . .                       | 1,510        | <u>1,519</u> |

|   |       |       |
|---|-------|-------|
| <i>Number brought forward</i> . . . . .                                     | 1,510 | 1,519 |
| Born of American father and<br>mother of unknown na-<br>tionality . . . . . | 1     |       |
| Born of American mother and<br>father of unknown na-<br>tionality . . . . . | 6     |       |
| Born of foreign mother and<br>father of unknown na-<br>tionality . . . . .  | 1     |       |
| Born of parents of unknown<br>nationality . . . . .                         | 1     |       |
|   | <hr/> | 1,519 |
| Number of cases of twins . . . . .  |       | 24    |

## MARRIAGES.

|   |             |
|---|-------------|
| Number of intention certificates issued in 1898 | 567         |
| Less than previous year . . . . .               | 49          |
| Marriages registered . . . . .                  | 595         |
| Less than previous year . . . . .               | 51          |
| Both parties American . . . . .                 | 278         |
| Both parties foreign . . . . .                  | 171         |
| American groom and foreign<br>bride . . . . .   | 82          |
| Foreign groom and American<br>bride . . . . .   | 64          |
|   | <hr/>       |
|   | 595 couples |
| First marriage of . . . . .                     | 1,056       |
| Second marriage of . . . . .                    | 123         |
| Third marriage of . . . . .                     | 9           |
| Fourth marriage of . . . . .                    | 2           |
|   | <hr/>       |
|   | 595 couples |

## DEATHS.

|  |     |
|--|-----|
| Number of deaths in Somerville in 1898 . . . . . | 880 |
| More than previous year . . . . .                | 21  |

|  |       |     |
|--|-------|-----|
| Males . . . . .  | 442   |     |
| Females . . . . .                                      | 438   |     |
|  | <hr/> | 880 |
| Under 10 years of age . . . . .                        | 273   |     |
| Between 10 and 20 years of age . . . . .               | 21    |     |
| Between 20 and 30 years of age . . . . .               | 75    |     |
| Between 30 and 40 years of age . . . . .               | 55    |     |
| Between 40 and 50 years of age . . . . .               | 68    |     |
| Between 50 and 60 years of age . . . . .               | 86    |     |
| Between 60 and 70 years of age . . . . .               | 130   |     |
| Between 70 and 80 years of age . . . . .               | 106   |     |
| Between 80 and 90 years of age . . . . .               | 56    |     |
| Between 90 and 100 years of age . . . . .              | 10    |     |
|  | <hr/> | 880 |
| Age of oldest person deceased . . . . .                |       | 94  |
| Born in Somerville . . . . .                           | 247   |     |
| Born in other places in the<br>United States . . . . . | 344   |     |
| Of foreign birth . . . . .                             | 283   |     |
| Birthplace unknown . . . . .                           | 6     |     |
|  | <hr/> | 880 |
| Number of deaths in January . . . . .                  | 64    |     |
| "    "    February . . . . .                           | 65    |     |
| "    "    March . . . . .                              | 79    |     |
| "    "    April . . . . .                              | 75    |     |
| "    "    May . . . . .                                | 69    |     |
| "    "    June . . . . .                               | 64    |     |
| "    "    July . . . . .                               | 59    |     |
| "    "    August . . . . .                             | 112   |     |
| "    "    September . . . . .                          | 73    |     |
| "    "    October . . . . .                            | 54    |     |
| "    "    November . . . . .                           | 68    |     |
| "    "    December . . . . .                           | 98    |     |
|  | <hr/> | 880 |

The number of stillbirths recorded during the year was sixty-one.

The causes of death may be found in the report of the Board of Health.

## ASSESSED POLLS AND REGISTERED VOTERS.

## MEN'S LISTS.

| WARD.          | PRECINCT.          | As-<br>sessed<br>Polls<br>May<br>1,<br>1898. | REGISTERED VOTERS.   |   |   |                      |                                   |                      |                              |                              |
|----------------|--------------------|--|----------------------|---|---|----------------------|-----------------------------------|----------------------|------------------------------|------------------------------|
|                |                    |  | Nov.<br>26,<br>1897. | Re-<br>vised<br>Lists<br>of<br>Aug.<br>30,<br>1898. | Ad-<br>ded<br>in<br>Sept.<br>and<br>Oct.<br>1898. | Oct.<br>24,<br>1898. | Ad-<br>ded<br>in<br>Nov.<br>1898. | Nov.<br>19,<br>1898. | Voted<br>Nov.<br>8,<br>1898. | Voted<br>Dec.<br>6,<br>1898. |
| Ward 1 . . . . | Precinct 1 . . . . | 634  | 370                  | 315   | 31  | 346                  | 5                                 | 351                  | 236                          | 248                          |
| " 1 . . . .    | " 2 . . . .        | 526  | 355                  | 304   | 17  | 321                  | 7                                 | 328                  | 226                          | 239                          |
| " 1 . . . .    | " 3 . . . .        | 860  | 479                  | 391   | 30  | 421                  | 4                                 | 425                  | 240                          | 276                          |
| " 1 . . . .    | " 4 . . . .        | 817  | 284                  | 246   | 27  | 273                  | 4                                 | 277                  | 158                          | 183                          |
|                |                    | 2,837  | 1,488                | 1,256   | 105   | 1,361                | 20                                | 1,381                | 860                          | 946                          |
| Ward 2 . . . . | Precinct 1 . . . . | 840  | 571                  | 518   | 26  | 544                  | 14                                | 558                  | 393                          | 388                          |
| " 2 . . . .    | " 2 . . . .        | 1,101  | 669                  | 628   | 41  | 669                  | 19                                | 688                  | 471                          | 486                          |
| " 2 . . . .    | " 3 . . . .        | 802  | 378                  | 331   | 25  | 356                  | 9                                 | 365                  | 235                          | 243                          |
| " 2 . . . .    | " 4 . . . .        | 1,123  | 537                  | 455   | 18  | 473                  | 15                                | 488                  | 312                          | 297                          |
| " 2 . . . .    | " 5 . . . .        | 1,042  | 380                  | 334   | 23  | 357                  | 18                                | 375                  | 235                          | 255                          |
|                |                    | 4,908  | 2,535                | 2,266   | 133   | 2,399                | 75                                | 2,474                | 1,646                        | 1,669                        |
| Ward 3 . . . . | Precinct 1 . . . . | 1,114  | 722                  | 638   | 16  | 654                  | 11                                | 665                  | 395                          | 420                          |
| " 3 . . . .    | " 2 . . . .        | 803  | 499                  | 449   | 19  | 468                  | 9                                 | 477                  | 281                          | 274                          |
| " 3 . . . .    | " 3 . . . .        | 960  | 657                  | 593   | 12  | 605                  | 9                                 | 614                  | 390                          | 407                          |
| " 3 . . . .    | " 4 . . . .        | 1,249  | 689                  | 638   | 27  | 665                  | 25                                | 690                  | 372                          | 469                          |
|                |                    | 4,126  | 2,567                | 2,318   | 74  | 2,392                | 54                                | 2,446                | 1,438                        | 1,570                        |
| Ward 4 . . . . | Precinct 1 . . . . | 1,121  | 591                  | 571   | 29  | 600                  | 14                                | 614                  | 413                          | 385                          |
| " 4 . . . .    | " 2 . . . .        | 1,191  | 581                  | 531   | 33  | 564                  | 4                                 | 568                  | 393                          | 280                          |
| " 4 . . . .    | " 3 . . . .        | 926  | 503                  | 463   | 52  | 515                  | 5                                 | 520                  | 418                          | 334                          |
| " 4 . . . .    | " 4 . . . .        | 1,238  | 660                  | 593   | 51  | 644                  | 10                                | 654                  | 472                          | 398                          |
|                |                    | 4,476  | 2,335                | 2,158   | 165   | 2,323                | 33                                | 2,356                | 1,696                        | 1,397                        |
| City . . . . . |                    | 16,347                                       | 8,925                | 7,998   | 477   | 8,475                | 182                               | 8,657                | 5,640                        | 5,582                        |



## WOMEN'S VOTING LISTS.

| WARD.            | PRECINCT.            | Nov. 26,<br>1898. | Revised<br>Lists of<br>Aug. 30,<br>1898. | Added in<br>Sept., Oct.<br>and Nov.,<br>1898. | Nov. 19,<br>1898. | Voted<br>Dec. 6,<br>1898. |
|------------------|----------------------|-------------------|--|---|-------------------|---------------------------|
| Ward 1 . . . . . | Precinct 1 . . . . . | 27                | 21                                       | . . .   | 21                | . . .                     |
| " 1 . . . . .    | " 2 . . . . .        | 9                 | 8  | . . .   | 8                 | . . .                     |
| " 1 . . . . .    | " 3 . . . . .        | 32                | 26                                       | . . .   | 26                | . . .                     |
| " 1 . . . . .    | " 4 . . . . .        | 1                 | . . .                                    | . . .   | . . .             | . . .                     |
|                  |                      | 69                | 55                                       | . . .   | 55                | . . .                     |
| Ward 2 . . . . . | Precinct 1 . . . . . | 48                | 45                                       | 3   | 48                | 7                         |
| " 2 . . . . .    | " 2 . . . . .        | 91                | 84                                       | . . .   | 84                | 13                        |
| " 2 . . . . .    | " 3 . . . . .        | 3                 | 3  | . . .   | 3                 | . . .                     |
| " 2 . . . . .    | " 4 . . . . .        | 11                | 9  | . . .   | 9                 | . . .                     |
| " 2 . . . . .    | " 5 . . . . .        | 6                 | 6  | . . .   | 6                 | 1                         |
|                  |                      | 159               | 147                                      | 3   | 150               | 21                        |
| Ward 3 . . . . . | Precinct 1 . . . . . | 39                | 29                                       | . . .   | 29                | 2                         |
| " 3 . . . . .    | " 2 . . . . .        | 34                | 28                                       | 2   | 30                | 1                         |
| " 3 . . . . .    | " 3 . . . . .        | 63                | 51                                       | 1   | 52                | 1                         |
| " 3 . . . . .    | " 4 . . . . .        | 47                | 41                                       | . . .   | 41                | 3                         |
|                  |                      | 183               | 149                                      | 3   | 152               | 7                         |
| Ward 4 . . . . . | Precinct 1 . . . . . | 71                | 65                                       | —1  | 64                | 13                        |
| " 4 . . . . .    | " 2 . . . . .        | 55                | 51                                       | . . .   | 51                | 3                         |
| " 4 . . . . .    | " 3 . . . . .        | 43                | 37                                       | 9   | 46                | 17                        |
| " 4 . . . . .    | " 4 . . . . .        | 71                | 60                                       | 6   | 66                | 24                        |
|                  |                      | 240               | 213                                      | 14  | 227               | 57                        |
| City . . . . .   | . . . . .            | 651               | 564                                      | 20  | 584               | 85                        |

Herewith are presented copies of ordinances passed since the printing of the last annual reports.

GEORGE I. VINCENT,

*City Clerk.*



# ORDINANCES.

## CITY OF SOMERVILLE.

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JANUARY 25, 1899.

The following ordinances have been adopted since the printing of the annual reports for the year 1897.

GEORGE I. VINCENT, *City Clerk.*



## CITY OF SOMERVILLE.

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No. 76.

AN ORDINANCE IN RELATION TO UNDERGROUND STREETS,  
PASSAGEWAYS, OR SUBWAYS.

*Be it ordained by the City Council of the City of Somerville,  
as follows : —*

Section 1. No person shall loiter in, or obstruct the free passage of another person through any public underground street, passageway or subway, or cut, injure, mar, deface, defile, or make any drawing on, the interior or exterior wall, or the ceiling, or the pathway or roadway thereof, or attach any handbill, advertisement, placard or drawing thereto, or accost or address another person therein with profane or obscene language.

Section 2. This ordinance shall take effect upon its passage.

*Approved January 27, 1898.*

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No. 77.

AN ORDINANCE TO AMEND SECTION THREE OF CHAPTER  
FOUR OF THE REVISED ORDINANCES OF 1891.

*Be it ordained by the City Council of the City of Somerville,  
as follows : —*

Section 1. Section three of chapter four, entitled "Finance," of the Revised Ordinances of 1891, is hereby amended by striking out said section three, and substituting in place thereof the following : —

Section 1. The income received in the city of Somerville from the Water Works shall be applied as follows : — First, to

the payment of the expenses of maintenance and operation incurred by the Water Board of the city ; second, to the payment of the interest on all bonds, notes or scrip of the city, issued on account of the Water Works, and to the payment of said bonds, notes or scrip as they may mature ; third, to the payment of the assessment of the city to be paid to the treasurer of the Commonwealth as provided in chapter four hundred eighty-eight of the acts of the year eighteen hundred and ninety-five ; fourth, to the payment of the expenses of the extension of the Water Works ; fifth, and the balance, if any, as the City Council may determine ; provided, however, that there shall not be expended in any year, for any of said purposes, more than the amount appropriated by the City Council therefor.

Section 2. This ordinance shall take effect upon its passage.

*Approved February 24, 1898.*

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No. 78.

AN ORDINANCE TO AMEND CHAPTER TEN OF THE REVISED  
ORDINANCES OF 1891.

*Be it ordained by the City Council of the City of Somerville,  
as follows : —*

Section 1. Section one of chapter ten of the Revised Ordinances of 1891 is hereby repealed, and the following section substituted in place thereof : Section 1. The city physician shall be a resident of Somerville and a graduate of a legally-incorporated medical school. He shall receive as full compensation for all services rendered by him such salary as the city council may determine.

Section 2. Section two of said chapter ten is hereby amended by inserting after the word "poor," in the third line, the words, "and the board of health."

Section 3. Section three of said chapter ten is hereby amended by striking out the words "mayor and aldermen," in said section, and substituting therefor the words "city council."

Section 4. This ordinance shall take effect upon its passage.

*Approved March 25, 1898.*

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No. 79.

AN ORDINANCE IN RELATION TO THE PROJECTION OF COVINGS OVER PUBLIC WAYS AND SQUARES.

*Be it ordained by the City Council of the City of Somerville, as follows :*

Section 1. Section seventy-two of chapter nineteen of the Revised Ordinances of 1891 is hereby amended by adding the following thereto: The inspector may, however, grant licenses for the construction of covings to project not more than twenty inches beyond the line of a public way or square, and to be at least ten feet above the level of the same.

Section 2. This ordinance shall take effect upon its passage.

*Approved December 27, 1898.*





## JURY LIST.

## CITY OF SOMERVILLE.

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March 1, 1899.

The accompanying jury list is published in compliance with the following provision of law : —

Acts of 1897, Chapter 515, Section 4.

The jury list in cities shall be published as a public document, with the address and occupation of each juror.

Attest :

GEORGE I. VINCENT, *City Clerk.*

# JURY LIST

## OF THE

### CITY OF SOMERVILLE.

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PREPARED BY THE REGISTRARS OF VOTERS, UNDER  
CHAPTER 515 OF THE ACTS OF THE YEAR 1897,  
JANUARY 31, 1899.

[Posted February 10, 1899, and accepted by the Board of Aldermen February  
23, 1899.]

#### A

Abbott, Alonzo F., 8 Concord avenue, clerk.  
Adams, Frank H., 46 Summer street, railroad.  
Albee, John G., 101 Flint street, clerk.  
Alden, Fred B., 44 Skehan street, driver.  
Allen, Hiram, 230 Washington street, musician.  
Allison, James W., 89 Mt. Vernon street, carpenter.  
Almeder, William F., 167 Broadway, restaurant.  
Anderson, Peter, 34 Joy street, teamster.  
Andrews, John, 34 Albion street, agent.  
Andrews, Matthew S., 63 Morrison street, tinsmith.  
Angier, Lucius B., 77 Derby street, coal and wood.  
Armstrong, George D., 15 Dane street, expressman.  
Armstrong, Thomas W., 39 Partridge avenue, sawyer.  
Armstrong, William, 17 Dane street, watchman.  
Arthur, David, 54 Medford street, laborer.  
Ashworth, John, 104 Cross street, mechanical draughtsman.  
Attwood, J. Lorenzo, 18 Herbert street, bookkeeper.  
Ayer, Fred C., 160 Highland avenue, lumber and wood.  
Ayer, John F., 17 Walter street, lumber and wood.  
Ayres, John W., 403 Highland avenue, journalist.

## B

- Babb, Charles D., 193 School street, real estate.  
Babb, Nathaniel F., 193 School street, real estate, etc.  
Babbitt, Artemas B., 110 Perkins street, machinist.  
Bacon, Oliver, 19 Pembroke street, clerk.  
Bailey, Walter C., 72 Mt. Vernon street, engraver.  
Baker, Roger H., 9 Bedford street, cooper.  
Baker, Roswell F., 26 Hudson street, salesman.  
Baldwin, Arthur C., 29 Albion street, clerk.  
Bancroft, Edward A., 31 School street, clerk.  
Barber, William L., 36 Marshall street, clerk.  
Barker, Franklin, 22 Pinckney street, conductor.  
Barker, Herman, 433 Broadway, manufacturer.  
Barker, William H., 367 Summer street, manufacturer.  
Barnard, Thomas L., 11 Grant street, fish.  
Bartlett, George E., 5 North Union street, railroad.  
Beal, Albert H., 96 Wallace street, barber.  
Bean, Gerard D., 166 Lowell street, bookkeeper.  
Beckley, Henry F., 83 Morrison street, salesman.  
Belcher, Horace A., 12 Webster avenue, produce.  
Belding, Oscar H., 62 Hudson street, carpenter.  
Bennett, Dana W., 41 Putnam street, agent.  
Bent, Charles E., rear 9 Marion street, carpenter.  
Bent, Thomas A., 120 Summer street, carpenter.  
Berry, Andrew C., 6 Centre street, engraver.  
Berry, Charles M., 14 Miller street, provisions.  
Berton, John F., 332 Elm street, painter.  
Bertwell, Henry P., 20 Cameron avenue, clerk.  
Bickford, Frank W., 76 Curtis street, carpenter and builder.  
Binney, Henry M., 61 Prescott street, painter.  
Binney, Martin, 9 Linden place, agent.  
Black, Peter F., 14 Atherton street, agent.  
Blake, Charles M., 13 Preston street, newsdealer.  
Blake, G. Stanley, rear 26 Park street, railroad.  
Blaskovec, Frank, 240 Columbia street, cabinetmaker.  
Blevins, Joseph J., 26 Stone avenue, roofer.  
Bossey, Charles W., 22 Ashland street, salesman.  
Bowen, Cornelius, 128 Linwood street, safe and machine mover.  
Bowers, Harrison G. O., 233 1-2 Elm street, no occupation.



Bowie, David, 11 Belmont street, machinist.  
Bowker, Frank P., 31 Avon street, clerk.  
Bowman, Henry F., 10 Winter hill circle, lithographer.  
Bowman, Sumner E., 26 Dover street, mason.  
Brackett, Walter S., 16 Greene street, travelling salesman.  
Bradley, Daniel, 19 Concord avenue, barrels.  
Bradley, Daniel A., 67 Beacon street, pianos.  
Bradley, Daniel H., 19 Concord avenue, student.  
Bradley, Dennis E., 303 Washington street, ornamenteer.  
Bradshaw, Charles H., 7 Westwood road, real estate.  
Bradshaw, J. Edwin, 16 St. James avenue, clerk.  
Brastow, George K., 162 Summer street, clerk.  
Brennan, Stephen, 70 Oxford street, mason and builder.  
Briggs, J. Albion, 59 Vinal avenue, real estate.  
Brigham, Charles A., 3 Dell street, salesman.  
Brine, Lawrence F., 38 Columbus avenue, music.  
Broadhead, William H., 61 Summer street, electric supplies.  
Brophy, Daniel, 17 Fremont avenue, travelling salesman.  
Brown, Charles E., 36 Albion street, carpenter.  
Brown, Frank A., 12 Otis street, hairdresser.  
Brown, John H., 311 Washington street, painter.  
Brown, Lyman H., 284 Somerville avenue, livery stable.  
Bryant, John E., 24 Grant street, undertaker.  
Bryant, Thomas H., 6 Edmands street, receiving clerk.  
Buckley, Daniel J., 215 Norfolk street, laborer.  
Buckley, John E., 18 Hancock street, lineman.  
Bucknam, Davis P., 12 Vine street, mason.  
Bucknam, William E., 341 Beacon street, mason.  
Bullard, Walter H., 22 Stickney avenue, grocer.  
Bunten, Frederick R., 32 Cedar street, feather duster manufacturer.  
Burckes, Arthur L., 18 Sargent avenue, clerk.  
Burke, Walter W., 337 Washington street, hatter.  
Burns, Robert, 21 Lincoln street, milk inspector.  
Burns, Samuel A., 77 Pearl street, milk driver.  
Burrows, George H., 25 North Union street, machinist.  
Burton, Edward H., 6 Rogers avenue, provisions.  
Butler, James H., 40 Gilman street, school furniture.  
Butler, William, 106 A Albion street, printer.  
Buttimer, Maurice, 351 Lowell street, contractor.

## C

- Cahill, Cornelius J., 18 Bow street, lather.  
Callow, John R., 42 Concord avenue, porter.  
Caples, Philip, 42 Craigie street, butter, etc.  
Card, Frederick L., 243 Pearl street, provisions.  
Carleton, Lewis P., 341 Summer street, salesman.  
Carpenter, Albert Q., 141 Highland avenue, tinsmith.  
Carpenter, Lewis J., 3 Centre street, metal spinner.  
Carpenter, Reuben, 10 Fountain avenue, engraver.  
Carr, Albert E., 89 Oxford street, clerk American Express Co.  
Carr, Eugene P., 18 Benton road, salesman.  
Carter, Lorenzo D., 60 Central street, clerk.  
Cate, Nathan E., 28 Everett avenue, treasurer.  
Chamberlain, Russell T., 7 Winter street, real estate.  
Chapin, Hiram O., 44 Dover street, commission merchant.  
Chase, Charles D., 18 Ivaloo street, engineer.  
Chase, Isaac F., 10 Thorndike street, salesman.  
Chase, Washington I., 85 Vine street, distiller.  
Chickering, William H., 15 Evergreen avenue, clerk.  
Clark, Cyrus D., 30 Everett avenue, sexton.  
Clark, Isaac H., 49 Brastow avenue, mechanical engineer.  
Clark, J. Abbott, 45 Greenville street, advertising agent.  
Clark, S. Adams, 11 Clark street, no occupation.  
Clayton, Frederick I., 131 Lowell street, tailor.  
Coan, Francis E., 156 Pearl street, stair builder.  
Coburn, Fred L., 47 Mt. Vernon street, printer and stationer.  
Coffin, Edward B., 184 Lowell street, real estate and insurance.  
Coffin, Winslow W., 186 Broadway, real estate and insurance.  
Colby, Luther, 50 Francesca avenue, janitor.  
Collins, Stephen J., 22 Putnam street, upholsterer.  
Comee, Charles, 38 Irving street, printing materials.  
Comee, Edgar F., 38 Irving street, travelling salesman.  
Conant, George H., 8 Park avenue, no occupation.  
Concannon, John H., 135 Linwood street, peddler.  
Condit, Fred H., 255 Medford street, musician.  
Condit, Sears, 255 Medford street, hatter.  
Cook, Franklin A., 468 Somerville avenue, carriage trimmer.  
Cook, Levi F., 9 Thorpe place, salesman.  
Cooper, Francis P., 188 Broadway, engraver.

Copithorne, John, 81 School street, carpenter, F. R. R.  
 Cosgrove, Charles M., 17 Electric avenue, clerk.  
 Coughlin, William J., 141 Medford street, upholsterer.  
 Cox, Edward, 36 Central street, real estate.  
 Craig, John W., 97 Washington street, blacksmith.  
 Crawford, J. Arthur, 19 Eastman place, carpenter.  
 Cremen, John W., 69 Oxford street, clerk.  
 Crimmings, Timothy F., 3 Maple street, teamster and contractor.  
 Cronin, Robert E., 8 Clyde street, teamster.  
 Crosby, Warren A., 32 Rush street, fish.  
 Cross, John T., 65 Oxford street, salesman.  
 Cullin, Edwin, 222 Broadway, wholesale provisions.  
 Cummings, George W., 43 Wallace street, driver.  
 Curran, Reuben L., 29 Wesley street, foreman cabinetmaker.  
 Currier, James H., 9 Mossland street, manager.  
 Currier, Samuel E., 9 Howe street, real estate and insurance.  
 Cushing, Edwin F., 72 Central street, navy yard.  
 Cushing, William E., 8 Dell street, clerk in post office, Boston.  
 Cutler, Frank E., 70 Pearl street, painter.  
 Cutter, Fitch H., 8 Lincoln street, motorman, street railway.  
 Cutter, George, 379 Summer street, no occupation.

## D

Dadmun, Henry H., 48 Oxford street, salesman.  
 Dalton, James H., 1100 Broadway, manager.  
 Daniels, Edward S., 50 Spring street, piano tuner.  
 Daniels, Harry F., 70 Munroe street, clerk.  
 Daniels, Joseph, 93 Concord avenue, carpenter.  
 Daniels, Theodore P., 137 Pearl street, showcase maker.  
 Darling, Charles S., 20 Gorham street, whip manufacturer.  
 Davenport, Foster L., 19 Charnwood road, shipper.  
 David, James B., 78 Belmont street, no occupation.  
 Davis, Albert M., 16 Chauncey avenue, teamster.  
 Davis, Charles S., 94 Pearl street, electrician.  
 Davis, George M., 20 Arthur street, mason and builder.  
 Davis, Levi F. S., 111 Pearl street, junk.  
 Davis, Thomas L., 50 Mt. Vernon street, burlaps, etc.  
 Dawes, Henry L., 8 Ashland street, confectioner.  
 Dawson, Howard, 67 Albion street, clerk.

Dearborn, Luther G., 169 Sycamore street, coffee.  
De Coster, Verin, 43 Lowell street, salesman.  
Delano, John G., 72 Florence street, clerk.  
Delano, Thomas I., Jr., 170 Central street, salesman.  
Dervan, William B., 8 Spring street, clerk.  
Desmond, Daniel W., 1 Montrose street, real estate and mortgages  
Dewire, Michael H., 399 Washington street, confectionery.  
Dickerman, Edward M., 39 Florence street, foreman.  
Dimick, Charles W., 122 Line street, manager.  
Dodd, George H., 54 Marshall street, mechanic.  
Doe, Freeland A., 39 Temple street, cabinetmaker.  
Doten, Benjamin F., 67 Central street, printer.  
Doten, Herbert W., 115 Jenny Lind avenue, salesman.  
Downing, John F., 14 Park street, carpenter.  
Drake, James, 45 Berkeley street, carpenter.  
Dresser, George H., 193 School street, superintendent.  
Drinkwater, Frank M., 872 Broadway, clerk.  
Drouet, Ernest Charles, 73 Columbus avenue, insurance.  
Dudley, Clifford G., 10 Tower street, no occupation.  
Dudley, Clifton O., 6 Tower street, no occupation.  
Duhig, John M., 282 Summer street, printer.  
Dunham, Herbert M., 292 Medford street, reporter.  
Dunham, Marshall W., 10 Stickney avenue, carriages.  
Dunklee, Daniel D., 9 Oakland avenue, stoves and furnaces.  
Dusseault, John H., 42 Sargent avenue, sealer of weights and  
measures.  
Dustin, George E., 7 Pearl street, leather dealer.  
Dustin, Harry N., 10 Church street, clerk.  
Dwyer, Edward, 159 Somerville avenue, marble worker.  
Dyer, Henry H., 32 Elm street, cigars.  
Dyer, Josiah T., 156 School street, men's furnishings.

## E

Earle, Israel C., 87 Irving street, salesman.  
Eaton, John F., 400 Highland avenue, architect.  
Eaton, John M., 58 Springfield street, no occupation.  
Edgett, Reuben, 347 Elm street, carpenter.  
Edmands, John B., 11 Robinson street, stoneware manufacturer.  
Egerton, Wales L., 61 Beach street, no occupation.  
Elkins, John F., 142 Medford street, contractor.



Elliot, Charles J., 59 Oxford street, engineer.  
Elliott, George E., 103 Jenny Lind avenue, grocer.  
Emerson, William J., 104 Broadway, boots and shoes.  
Emery, Allen A., 51 Oliver street, butter.  
Enslin, Irving J., 62 Cross street, stenographer.  
Esty, Austin S., 203 School street, clerk.  
Evans, Francis W., 32 Prospect street, teamster.  
Evans, Henry, 15 Adrian street, teamster.

## F

Fales, Wyman E., 76 Irving street, salesman.  
Falvey, Richard, 15 Rush street, contractor.  
Farnham, Rufus H., 236 Holland street, motorman.  
Farrell, Patrick S., 31 Linwood street, polisher.  
Fay, Francis H., rear 101 Linwood street, marble cutter.  
Fellows, John H., 8 Sartwell avenue, accountant.  
Fenelon, J. Robert, 21 School street, real estate.  
Field, Orton D., 98 Jaques street, salesman.  
Fisher, Alphonso, 152 Pearl street, painter.  
Fisher, Arthur V., 62 Evergreen avenue, agent.  
Fisher, Emery B., 110 Prospect street, clerk, P. O., Boston.  
Fisher, Henry H., 139 Lowell street, salesman.  
Fisher, John, 26 Hancock street, printer.  
Fisk, Elsworth, 44 Heath street, clerk.  
Fisk, Mark, 44 Heath street, travelling salesman.  
Fitch, George W., 12 Lincoln street, job printer.  
Fitz, George H., 45 Franklin street, grain.  
Flagg, Charles A., 24 Gibbens street, salesman.  
Flaherty, James P., 12 Charles street, junk.  
Flitner, George J., 1 Clifton street, wool grader.  
Flynn, Dennis F., 67 Dane street, upholsterer.  
Flynn, William H., 67 Dane street, real estate and insurance.  
Foote, Edward H., 138 Sycamore street, pickle manufacturer.  
Ford, Jeremiah D. M., 13 Sherman street, student.  
Foss, William H., 38 Harvard street, designer.  
Foster, Elmer E., 18 1-2 Franklin street, fireman.  
Foster, George W., 7 Evergreen avenue, insurance.  
Foster, Henry, 23 Park street, bookbinder.  
Foster, Jacob, 10 Mossland street, carpenter.

Fox, John, 283 Somerville avenue, laborer.  
Francis, Weston O., 16 Webster street, carpenter.  
Friend, Edward, 5 Cameron avenue, salesman.  
Friend, Frederick W., 22 Hancock street, plasterer.  
Frost, George W., 38 Laurel street, clerk.  
Frye, Charles H., 43 Sargent avenue, machinist.  
Fulton, David, 4 Spring court, Calendrer Middlesex Bleachery.

## G

Gage, Burt O., 38 Dartmouth street, machinist.  
Gage, Moses H., 9 Montgomery avenue, clerk.  
Gage, Walter C., 43 Robinson street, foreman.  
Gale, Charles, 10 Brastow avenue, cabinetmaker.  
Gale, John S., 6 Oliver street, machinist.  
Galletly, Henry, 7 Franklin avenue, cordage manufacturer.  
Gallishaw, Henry T., 74 Bonair street, clerk.  
Gardner, Gerald A., 8 Hudson street, insurance.  
Garrity, Martin, Jr., 206 Norfolk street, plumber.  
Gibby, Robert H., Jr., 26 Mondamin court, coppersmith.  
Gifford, Frederick K., 353 Beacon street, salesman.  
Gifford, Herbert C., 54 Preston street, iron.  
Gilberth, Charles A., 58 Concord avenue, tea.  
Giles, Charles E., 24 Webster street, milk.  
Gill, Martin, 22 Bonair street, teamster.  
Gilley, Rodney O., 11 Walter street, steward.  
Gilman, John W., 47 Chester street, salesman.  
Glazier, Elmer L., 29 Chandler street, cabinetmaker.  
Gleason, Walter H., 13 Dartmouth street, real estate.  
Goddard, Edward A., Jr., 55 Irving street, clerk.  
Good, Thomas, 29 Crocker street, salesman.  
Goodhue, Alfred N., 205 Highland avenue, conductor.  
Gordon, George A., 54 Belmont street, agent.  
Gordon, Harris F., 7 Dell street, foreman.  
Gordon, Huntlie, 33 Kingston street, insurance.  
Graham, Robert C., 29 Greene street, potato dealer.  
Grant, Walter D., 35 Florence street, clerk.  
Gray, Amasa, 71 Wallace street, carpenter.  
Green, Oscar F., 103 Summer street, stair builder.  
Greene, George F., 28 Lamson court, machinist.

Greenough, John L., 19 Vernon street, cabinetmaker.  
Griffin, Augustus P., 22 Richdale avenue, salesman.  
Griffin, Daniel J., 5 Summer street, travelling salesman.  
Grove, William L., 63 Avon street, bookkeeper.  
Grover, Nelson H., 26 Oxford street, clerk.  
Guild, Edgar A., 28 Webster avenue, clerk.  
Guild, Julius J., 325 Washington street, provisions.  
Gurnham, Thomas, 36 Hancock street, periodicals.

## H

Hager, Arvine, 19 Edmands street, milk dealer.  
Hale, C. Warner, 90 Central street, tailor.  
Haley, Dennis, 27 Belmont street, machinist.  
Hall, Albert A., 64 Willow avenue, accountant.  
Hall, Horace E., 25 Highland avenue, horse dealer.  
Hall, William Franklin, 345 Broadway, accountant.  
Hall, Winfield W., 32 Thorndike street, furniture, stoves, etc.  
Hanson, Harvey R., 73 Jaques street, electrician.  
Hanson, William J., 353 Somerville avenue, plumber.  
Harding, Walter R., 22 Prescott street, carpenter.  
Harlow, George H., 7 Adams street, salesman.  
Harney, William T., 169 Linwood street, teamster.  
Hartshorn, Frank S., 96 Glen street, clerk.  
Harvey, Henry E., 17 Wellington avenue, teamster.  
Harwood, John, 31 Avon street, gunsmith.  
Haskell, Albert L., 422 Somerville avenue, printer.  
Haskell, Otis S. M., 279 Summer street, confectionery.  
Hatch, Frederick A., 77 Jaques street, teamster.  
Hathaway, Henry C., 12 Pembroke street, painter.  
Hayes, William T., 252 Medford street, clerk.  
Hayward, Wales A., 21 Cherry street, no occupation.  
Heintz, George, 36 Hudson street, undertaker.  
Higgins, John, 38 Linwood street, dry goods.  
Higgins, Byron E., 357 Medford street, mason.  
Hight, Henry O., 15 Highland avenue, clerk.  
Hill, John E., 49 Cherry street, salesman.  
Hinckley, William V. T., 10 Monmouth street, insurance.  
Hoit, Alonzo W., 275 Highland avenue, produce dealer.  
Holden, George W., 97 Curtis street, farmer.

Holden, John, 76 Prospect street, produce.  
Holmes, Charles A., 263 Beacon street, stoves and plumbing.  
Holt, Albert, 7 Kenwood street, produce.  
Holt, Arthur C., 197 Washington street, architect.  
Holt, Edward M., 32 Springfield street, machinist.  
Holt, Samuel W., 197 Washington street, no occupation.  
Hopkins, Charles O., 212 Broadway, bookkeeper.  
Hopkins, Charles W., 23 Boston street, engraver.  
Horton, Charles H., 101 School street, clerk.  
Horton, David P., 36 Everett avenue, trunks.  
Horton, William A., 402 Highland avenue, artist.  
Howard, Chester M., 353 Highland avenue, clerk.  
Howard, John C., 157 Highland avenue, druggist.  
Howe, Frederick F., 40 Kidder avenue, shipper.  
Hulsman, Chester R., 48 Florence street, collector.  
Hunt, Cassius, 218 School street, fish.  
Hunter, William H., 53 Springfield street, glass engraver.  
Hutchins, George E., 9 Oliver street, mason.  
Hutchinson, Llewellyn W., 95 Jenny Lind avenue, carpenter.

## I

Ingalls, Oliver W., 11 Sycamore street, no occupation.  
Ingalls, Oscar G., 12 Munroe street, carpenter.  
Irish, Thaddeus P., 3 Dartmouth street, bookkeeper.

## J

Jansson, Augustus L., 102 Wallace street, travelling salesman.  
Jerauld, Horace D., 14 Chester avenue, no occupation.  
Jones, Enoch B., 13 Hall street, painter.  
Jones, Thomas F., 34 Line street, conductor.  
Jordan, Edward E., 102 School street, draughtsman.  
Joy, Alden B., 20 Belmont street, carpenter.  
Joyce, Sanford, 76 Boston street, clerk.  
Judge, Daniel, 20 Rossmore street, laborer.  
Junkins, Leander D., 14 Austin street, machinist.

## K

Keane, John A., 109 School street, piano tuner.  
Kearney, Edward S., 6 Charlestown street, clerk.



Keefe, William M., 52 Cedar street, milk.  
Kelley, Timothy J., 17 Merriam street, clerk.  
Kelley, William, 15 Leland street, janitor.  
Kelly, Charles A., 48A Porter street, contractor.  
Kendall, Henry A., 55 Oxford street, clerk.  
Kendall, Isaac B., 338 Broadway, insurance agent.  
Keniston, Charles E., 17 Park street, machinist.  
Kennedy, Clifton A., 21 Thorndike street, street railway conductor.  
Kenney, James, 4 Concord avenue, carpenter.  
Kenniff, Daniel J., 29 Jenny Lind avenue, reporter.  
Kerrigan, James, Jr., 351 Washington street, teamster.  
Kidder, Andrew M., 10 Summit avenue, no occupation.  
Kincaid, John E., 74 Rush street, traveling salesman.  
King, William L., 16 Kenwood street, bookkeeper.  
Knowles, Abbott L., 44 Webster street, bookkeeper.  
Knowles, Benjamin H., 15 Parker street, hatter.  
Knowles, Charles A., 68 Mt. Pleasant court, clerk.  
Knowles, Thomas, 27 Tyler street, foreman.  
Knowles, Zoeth R., 119 Walnut street, shipper.

## L

Lacount, Eugene D., 34 Day street, bedding.  
Lacy, Patrick, 63 Cherry street, mason.  
Lawrence, Bernard W., 289 Highland avenue, produce.  
Lawson, George W., 2 Lawson terrace, carpenter.  
Lawson, Munroe C., 41 Bow street, carpenter.  
Leavitt, Edwin, 13 Pinckney street, insurance.  
Leavitt, Frank W., 468 Somerville avenue, carriage manufacturer, etc.  
Leavitt, George W., Jr., 18 Veazie street, clerk.  
LeCain, Joseph J., 384 A Highland avenue, real estate.  
Leighton, Wilson E., 69 Florence street, conductor.  
Leman, Francis H., 50 Morrison street, artist.  
Leonard, Eugene C., 86 Avon street, ladies' tailor.  
Libbey, Leonard M., 10 Elmwood street, variety store.  
Libby, George H., 10 Ashland street, upholsterer.  
Lind, John, 38 Clark street, marble worker.  
Little, John K., 93 Hudson street, bookkeeper.  
Littlefield, Samuel T., 321 Broadway, no occupation.  
Ljungqvist, Nils, 27 Everett avenue, brass finisher.

Locke, Warren E., 360 Elm street, real estate.  
Longfellow, William F., 44 Pearl street, teamster.  
Lorentzen, Henry, 18 Waldo street, lock expert.  
Lounsbury, George H., 46 Houghton street, bookkeeper.  
Lovering, Everett L., 86 Myrtle street, music teacher.  
Lovering, George H., 18 Chauncey avenue, grocer.  
Lovering, Henry P., 11 Shawmut street, mason.  
Lovering, Hiram A., 168 Broadway, merchant.  
Lovering, Joseph E. B., 86 Myrtle street, druggist.  
Lowell, Charles W., 45 Kidder avenue, commission merchant.  
Lowell, Frank M., 42 Aldrich street, grocer.  
Lowell, George E., 46 Gilman street, livery stable.  
Lund, Harrington C., 16 Austin street, clerk.  
Lunt, George H., 21 Church street, fireman.  
Lunt, Samuel, Jr., 26 Tufts street, salesman.  
Lynch, James B., 571 Somerville avenue, boot and shoe maker.

## M

Macdonald, John W., 3 Boston street, clerk.  
MacNeil, John, 60 Winslow avenue, carriage builder.  
Makechnie, Ernst H., 238 Elm street, teacher of violin.  
Mann, Alfred E., 75 Washington street, undertaker.  
Manning, John F., 152 Medford street, teamster.  
Marshall, John A., 97 Oxford street, salesman.  
Mason, Joseph B., 50 Boston street, nurse.  
Mayhew, Edgar T., 14 Oakland avenue, assistant city assessor.  
Mayhew, Josiah B., 2 Thurston street, carriage woodwork.  
Maynard, Everett A., 22 Forster street, baker.  
Maynard, Lambert M., 90 Highland avenue, no occupation.  
Mayo, Timothy L., 108 Highland avenue, ship chandler.  
McAdams, Daniel F., 100 Jenny Lind avenue, plumber.  
McAllister, William H., 23 Wallace street, brush maker.  
McAvoy, Henry, 117 Somerville avenue, hacks to let.  
McCarty, John, 23 Maple street, charcoal.  
McDonald, William M., 56 Cedar street, wholesale beef.  
McGinty, William H., 11 Hawkins street, architect.  
McKeever, Samuel, 74 Belmont street, captain U. S. Army.  
McKenna, David W., 7 Chestnut street, peddler.  
McKenna, George F., 292 Lowell street, undertaker.

McLaughlin, Amos B., 27 Summit avenue, trader.  
McManus, Patrick, 93 Prospect street, motorman.  
Medina, John, 1167 Broadway, merchant.  
Merrifield, John A., 480 Somerville avenue, stove dealer.  
Merrifield, Otis E., Jr., 246 Summer street, bookkeeper.  
Merrill, David M., 254 Broadway, collector.  
Merrill, Ezra T., 90 Curtis street, contractor.  
Miles, Charles H., 37 Sewall street, cigar manufacturer.  
Milmore, George W., 2 Rogers avenue, broker.  
Mink, Louis, 85 Elm street, no occupation.  
Moore, George, 45 Dane street, carpenter.  
Moore, Joseph W., 79 Newton street, iceman.  
Morrison, Bert W., 22 Durham street, blacksmith.  
Muldoon, Thomas F., 208 Somerville avenue, blacksmith.  
Munroe, William B., 1 Lincoln street, clerk.  
Murphy, Stephen F., 372 Elm street, buyer.

## N

Nason, Charles C., 21 Wigglesworth street, carpenter.  
Naughton, Thomas H., 32 Dane avenue, plumber.  
Nealley, Edwin F., 109 Glen street, salesman.  
Newcomb, Everett D., 28 Webster avenue, boots and shoes.  
Nickerson, John D., 5 Wellington avenue, clerk.  
Nickles, James W., 14 William street, salesman.  
Niles, James H., 4 Fairlee street, meats.  
Nolan, John A., 26 Prescott street, glass blower.  
Norcross, James E., 5 Sargent avenue, clerk.  
Norwood, Frank B., 240 School street, builder.  
Nye, Thomas V. B., 51 Cedar street, salesman.

## O

O'Malley, Patrick J., 21 Dane avenue, barrel dealer.  
O'Neil, Bernard, 373 Washington street, peddler.  
Onthank, Charles H., 47 Munroe street, provisions.  
Osborne, Arthur D., 59 Columbus avenue, clerk.

## P

Packard, Frank E., 93 Mt. Vernon street, conductor.  
Page, George Amos, 21 Webster avenue, plumber.

Paine, Robert S., 382 Elm street, bookkeeper.  
Palmer, Edwin F., 261 A Broadway, painter.  
Parker, William S., 32 Crescent street, upholsterer.  
Parsons, Charles F., 16 Park street, clerk.  
Peake, Benjamin W., 62 Central street, clerk.  
Peck, Henry A., rear 41 Pearl street, printer.  
Peckham, George W., 10 Pitman street, real estate.  
Peirce, Abner F., 26 Bartlett street, salesman.  
Peirce, Cyrus H., 75 Marshall street, no occupation.  
Pendleton, Martin V. B., 63 Concord avenue, carpenter.  
Pennock, Samuel M., 1 Stickney avenue, clerk.  
Perham, Edwin R., 22 Marshall street, express.  
Perkins, Francis C., 81 Pearl street, salesman.  
Perkins, G. Henry, 16 Arthur street, insurance.  
Perry, Irving S., 16 Pleasant avenue, broker.  
Perry, Oliver H., 373 Elm street, real estate.  
Philbrick, Charles S., 50 Morrison street, milk inspector.  
Phillips, Bernard C., 8 Charlestown street, glass cutter.  
Pillsbury, Luther B., 130 Walnut street, real estate.  
Plaisted, Arthur I., 17 Franklin street, electrician.  
Plaisted, Harry F., 17 Franklin street, salesman.  
Pond, George W., 91 Bay state avenue, salesman.  
Porter, Frank E., 99 Jenny Lind avenue, bookkeeper.  
Pote, Othniel M., 23 Howe street, foreman.  
Pratt, Edgar J., 10 Park street, tin plate worker.  
Preston, Henry, 87 Franklin street, laborer.  
Prichard, Charles E., 145 Walnut street, salesman.  
Prichard, George W., 2 Bean court, teamster.  
Prime, George W., 78 Partridge avenue, painter.  
Puffer, David, Jr., 24 Hall avenue, produce.  
Pugh, Samuel, 269 Summer street, clerk.  
Pushee, John C., 10 Harvard place, brush manufacturer.  
Pushee, Leslie D., 10 Harvard place, clerk.

## R

Ramsdell, Charles H., 53 Tufts street, real estate.  
Rand, George T., 336 Highland avenue, bookbinder.  
Rawson, James, 24 Marshall street, house painter.  
Raymond, Marcus M., 37 Jaques street, no occupation.



Read, Joseph, 21 Maple street, laborer.  
 Reardon, Thomas F., 34 Rossmore street, barrels.  
 Reed, Cyrus A., 14 Farragut avenue, upholsterer.  
 Rice, Israel P., 15 Chandler street, carpenter.  
 Rich, Isaac L., 50 Rush street, builder.  
 Rich, Samuel B., 48 Berkeley street, fish.  
 Rich, Sewall M., 381 Medford street, agent.  
 Richards, Samuel T., 127 Summer street, bookkeeper.  
 Richardson, Benjamin H., 102 Curtis street, clerk.  
 Richardson, G. Herbert, 56 Franklin street, clerk.  
 Richardson, Homer L., 88 Albion street, compositor.  
 Riddell, Henry G., 104 Pearl street, clerk.  
 Rideout, Henry N. W., 7 Howe street, clerk.  
 Ridler, Parker, 37 Ames street, salesman.  
 Ring, Frank W., 12 Wheatland street, driver.  
 Rinn, Daniel H., 17 Wesley park, victualler.  
 Rivinius, Frederick W., 642 A Somerville avenue, inspector.  
 Robie, Albert E., 60 Vernon street, clerk.  
 Robinson, Charles T., 68 Park street, no occupation.  
 Robinson, Francis H., 36 Beach street, clerk.  
 Robinson, William F. S., 84 Pearl street, artist.  
 Robinson, William L., 86 Pearl street, no occupation.  
 Rogers, Frederick R., 13 Dickinson street, driver.  
 Rolfe, Frank A., 30 Dover street, dry goods.  
 Ross, William M., 22 Fanning avenue, grainer.  
 Rowe, Abram F., 47 Stone avenue, no occupation.  
 Russell, Arthur J., 59 Vine street, printer.  
 Russell, Eugene L., 1196 Broadway, clerk.  
 Ryan, Michael E., 18 Murdock street, shipper.

## S

Saben, Edward E., 110 Pearl street, insurance.  
 Sallaway, George H., 63 Putnam street, provisions.  
 Sanborn, Charles H., 223 School street, steam heating.  
 Sanborn, William A., 11 Oakland avenue, brick manufacturer.  
 Sanborn, William F., 17 Benedict street, cigars.  
 Sargent, Thomas T. M., 67 Myrtle street, architect.  
 Savage, Peter J., 10 Dane avenue, machinist.  
 Sawyer, Edward K., 32 Main street, clerk.

Schepmoes, Joseph S., 8 Tennyson street, printer.  
Schrafft, William E., 49 Belmont street, candy.  
Schroeder, John M., 65 Cedar street, no occupation.  
Sears, Eben, 25 Dartmouth street, boiler inspector.  
Shattuck, Elwin H., 75 Harris street, metal spinner.  
Shaw, William H., 92 Central street, clerk.  
Sheeran, John J., 17 Merriam street, grocer.  
Sibley, Alfred M., 42 Oxford street, mason.  
Sibley, Elton S., 42 Oxford street, metal engraver.  
Skelton, Daniel J., 10 Burnside avenue, carpenter.  
Smith, Albert E., 11 Church street, cooper.  
Smith, William, 13 Smith avenue, cabinetmaker.  
Smith, William H., 79 Irving street, printer.  
Snow, Elwin T., 52 A Bonair street, edge tool maker.  
Snow, John C. H., 60 Mt. Vernon street, carpenter and builder.  
Snow, Walter H., 42 Derby street, groceries and provisions.  
Snow, William A., 17 Francesca avenue, ornamental iron.  
Snowman, Albert E., 22 Park street, shipper.  
Solomon, William H., 12 Berkeley street, real estate.  
Southworth, Edwin W., 13 Webster street, bookkeeper.  
Spaulding, Daniel B., 8 A Hancock street, no occupation.  
Spellman, Thomas, 11 Ward street, grease collector.  
Spencer, George, 39 Houghton street, cabinetmaker.  
Spike, Daniel R., 25 Marshall street, janitor.  
Sprague, Walter A., 42 Prospect street, telegrapher.  
Stacey, George W., 14 Albion street, clerk.  
Stackpole, J. Frank, 238 Broadway, restaurant.  
Staniford, John W., 81 Oxford street, glassware.  
Staples, Mendall G., 42 Prospect street, teamster.  
Starbird, George M., 102 Pearl street, carpenter.  
Stearns, Phineas, 340 Elm street, no occupation.  
Steele, Danforth S., 8 Leslie place, foreman.  
Stevens, John A., 30 Church street, painter.  
Stevens, John E., 7 Linden avenue, painter.  
Stevens, Oliver A., 46 Beacon street, engineer, Globe building.  
Stillings, Rufus, 23 Arthur street, printer.  
Stockbridge, Charles N., 11 Hathorn street, bookkeeper.  
Stockbridge, Lewis, 16 Flint street, grocer.  
Stodder, George F., 4 Cross street, fish dealer.  
Stuart, Lewis R., 21 Delaware street, dry goods.

Studley, Stillman S., 130 Sycamore street, clerk.  
Sturtevant, Richard H., 31 Walnut street, beef dealer.  
Symonds, Irving F., 14 Greene street, no occupation.

## T

Tarbox, French O. J., 21 1-2 Summer street, steamfitter.  
Tarbox, Horace E., 30 Austin street, mason.  
Teele, F. Warren, 37 Electric avenue, electrical engineer.  
Teele, Samuel F., 73 Curtis street, farmer.  
Tewksbury, J. Gardner, 34 Pinckney street, paper dealer.  
Thompson, Charles W., 27 Lake street, clerk.  
Thompson, Joseph M., 66 Marshall street, collector.  
Thompson, William H. J., 55 Concord avenue, carpenter.  
Thomson, Emerson, 33 Pinckney street, clerk.  
Thurgood, Augustus, 42 Hudson street, salesman.  
Timson, L. Edgar, 10 Lincoln street, clerk.  
Titus, Franklin A., 34 Flint street, plumber.  
Tobin, Thomas J., 134 Tremont street, clerk.  
Trefren, Aura S., 2 Brooks street, carpenter.  
Tribble, Hiram, 50 Chandler street, salesman.  
Tucker, D. Wallis, 241 Elm street, shipper.  
Tuckett, Charles R., 12 A Kensington avenue, architect.

## U

Underhill, Charles L., 157 Central street, carriage repairing, etc.  
Underhill, Jesse J., 48 Pinckney street, coal and wood.  
Upton, Henry J., 45 Florence street, rubber worker.

## V

Valentine, Moses D., 304 Washington street, real estate.  
Van Buskirk, Charles, 20 Prescott street, frame worker.  
Veazie, William, 135 Walnut street, no occupation.  
Vincent, Francis X., 95 B Prospect street, printer.  
Vivian, James H., 210 Medford street, salesman.  
Vreeland, Edward B., 121 Central street, wood, coal, hay, etc.

## W

Walker, Granville A., 9 Loring street, painter.  
Walker, Irason B., 10 Union square, carpenter.

Walker, Thomas G., 5 Dell street, foreman, N. P. & P. Co.  
Ward, Benjamin A., 12 Mason avenue, tailor.  
Washburn, Frank D., 18 Park street, student.  
Watson, Frank L., 21 Aldersey street, paints and oils.  
Watson, George B., 204 Somerville avenue, foreman, tinshop.  
Watters, James, 41 Mystic avenue, music.  
Watts, George A., 18 Maple avenue, mechanic.  
Webber, Edward O., 79 Partridge avenue, rubber worker.  
Webber, Orrin H., 88 Jaques street, carpenter.  
Welch, James T., 303 Highland avenue, mason.  
Wemyss, George D., 5 Austin street, furniture manufacturer.  
Wentworth, Frank H., 61 Dartmouth street, salesman.  
Wheelock, Gilbert C., 5 Oakland avenue, conductor.  
Whitaker, Joseph W., rear 146 Sycamore street, clerk, B. & M. R. R.  
White, Christopher J., 9 Concord avenue, clerk.  
White, Clifford F., 41 Greenville street, watchman.  
White, Frank H., 14 Montgomery avenue, map mounter.  
White, Frederick A., 70 Dover street, shipper.  
White, Henry F., 18 Grant street, plater.  
White, J. Harvey, 411 Broadway, produce.  
White, Joseph A., 150 Hudson street, carpenter.  
White, Maurice J., 52 Linwood street, clerk.  
Whiton, George F., 20 Otis street, leather.  
Wiggin, Walter S., 42 Walnut street, clerk.  
Wilber, John F., 69 Franklin street, compositor.  
Wild, B. Frank, 241 School street, coal dealer.  
Wilde, George, 104 Broadway, clerk.  
Wilkins, Albert S., 22 South Church street, carpenter.  
Willey, Clarence H., 26 Dartmouth street, hay, etc.  
Williams, Frank G., 37 Albion street, milk dealer and livery stable.  
Willoughby, George T., 111 Central street, builder.  
Wilson, John R., 60 Albion street, carpenter.  
Wilson, Joseph T., 6 Pearl street, machinist.  
Wilson, William B., 10 Lincoln avenue, superintendent.  
Winslow, Isaac S., 38 Spring street, no occupation.  
Winterbottom, Charles J., 21 School street, candy.  
Wood, Charles H., 44 Stone avenue, clerk.  
Woodbury, Frederick A., 79 Marshall street, boots and shoes.  
Woods, Thomas S., 69 Joy street, carpenter.



Wright, Frank E., 16 Rossmore street, machinist.  
Wright, Herbert E., 47 Pearl street, milk cans.  
Wyatt, Charles B., 10 Linden avenue, machinist.  
Wyman, Charles B., 67 Thurston street, restaurant.

## Y

Yeaton, George W., 49 Day street, yard master.  
Yelland, Henry, 5 Munroe street, bottler.  
Youlden, William H., 117 Cross street, driver.  
Young, Willis A., 49 Cedar street, carpenter.



CITY GOVERNMENT AND OFFICERS  
FOR 1899.





# CITY GOVERNMENT AND OFFICERS FOR 1899.

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## MAYOR.

GEORGE O. PROCTOR.  
44 Spring street.

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## BOARD OF ALDERMEN.

### WARD ONE.

|                   |   |   |   |   |                    |
|-------------------|---|---|---|---|--------------------|
| F. DE WITT LAPHAM | . | . | . | . | 3 Hathorn street.  |
| ORICE M. GRACEY   | . | . | . | . | 23 Webster street. |

### WARD TWO.

|                     |   |   |   |   |                    |
|---------------------|---|---|---|---|--------------------|
| FRENCH O. J. TARBOX | . | . | . | . | 21½ Summer street. |
| WILLIAM H. ENNIS    | . | . | . | . | 16 Bowdoin street. |

### WARD THREE.

|                                       |   |   |   |   |                   |
|---------------------------------------|---|---|---|---|-------------------|
| FREDERICK M. KILMER, <i>President</i> | . |   |   |   | 420 Broadway.     |
| FRANCIS M. WILSON                     | . | . | . | . | 103 Cross street. |

### WARD FOUR.

|                   |   |   |   |   |                    |
|-------------------|---|---|---|---|--------------------|
| SILAS L. CUMMINGS | . | . | . | . | 251 Elm street.    |
| ISAAC M. STORY    | . | . | . | . | 238 Summer street. |

GEORGE I. VINCENT, *Clerk*.

Regular meetings, second, third and fourth Wednesday evenings of each month.

**COMMON COUNCIL.**

## WARD ONE.

|                               |                     |
|-------------------------------|---------------------|
| ROBERT BURNS . . . .          | 21 Lincoln street.  |
| WILLARD P. P. THOMSON . . . . | 33 Pinckney street. |
| CHARLES H. RAMSDELL . . . .   | 53 Tufts street.    |
| EDWARD E. SABEN . . . .       | 110 Pearl street.   |

## WARD TWO.

|                           |                     |
|---------------------------|---------------------|
| ARTHUR P. VINAL . . . .   | 36 Walnut street.   |
| WILLIAM F. BARKER . . . . | 29 A Putnam street. |
| HENRY C. BRINE . . . .    | 23 Greene street.   |
| JOSEPH S. PIKE, JR. . . . | 53 Preston street.  |

## WARD THREE.

|   |                     |
|---|---------------------|
| CHARLES A. GRIMMONS, <i>President</i> . . . . | 72 Thurston street. |
| WILLIAM H. CUSHMAN . . . .                    | 6 Evergreen avenue. |
| SAMUEL T. LITTLEFIELD . . . .                 | 361 Broadway.       |
| T. FRANKLIN PRESTON . . . .                   | 19 Hudson street.   |

## WARD FOUR.

|                          |                     |
|--------------------------|---------------------|
| JOHN F. FOSTER . . . .   | 25 Kingston street. |
| PAUL J. SMITH . . . .    | 79 Irving street.   |
| JOSEPH P. BOYCE . . . .  | 78 Liberty avenue.  |
| EDWIN F. CUSHING . . . . | 72 Central street.  |

CHARLES S. ROBERTSON, *Clerk*.

Regular meetings, Thursday evenings next following the second, third and fourth Wednesdays of each month.

**JOINT STANDING COMMITTEES OF THE CITY COUNCIL.**

ACCOUNTS. — Aldermen Gracey and Ennis; Councilmen Saben, Boyce, and Barker.

CITY ENGINEERING. — Aldermen Lapham and Kilmer; Councilmen Ramsdell, Preston, and Brine.

CLAIMS. — The Mayor, Alderman Ennis ; the President of the Common Council, Councilmen Smith and Boyce.

ELECTRIC LINES. — Aldermen Wilson, Kilmer, and Cummings ; Councilmen Vinal and Littlefield.

FINANCE. — The Mayor, Aldermen Kilmer and Story ; the President of the Common Council, Councilmen Burns, Vinal, Cushman, and Smith.

FIRE DEPARTMENT. — Aldermen Kilmer and Gracey ; Councilmen Vinal, Foster, and Thomson.

FUEL AND STREET LIGHTS. — Aldermen Wilson and Cummings ; Councilmen Littlefield, Boyce, and Ramsdell.

HIGHWAYS. — Aldermen Lapham and Cummings ; Councilmen Cushman, Pike, and Cushing.

LEGISLATIVE MATTERS. — The Mayor, Alderman Kilmer ; the President of the Common Council, Councilmen Foster and Pike.

ORDINANCES. — Aldermen Gracey and Tarbox ; Councilmen Saben, Pike, and Thomson.

PRINTING. — Aldermen Tarbox and Story ; Councilmen Foster, Brine, and Preston.

PUBLIC GROUNDS. — Aldermen Story and Wilson ; Councilmen Smith, Saben, and Brine.

PUBLIC PROPERTY. — Aldermen Cummings and Kilmer ; Councilmen Burns, Preston, and Barker.

SOLDIERS' RELIEF. — Aldermen Cummings and Tarbox ; Councilmen Cushing, Ramsdell, and Littlefield.

WATER. — Aldermen Ennis and Gracey ; the President of the Common Council, Councilmen Littlefield and Barker.

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#### JOINT SPECIAL COMMITTEE.

GRADE CROSSINGS, ABOLISHING OF. — Aldermen Tarbox and Story ; Councilmen Foster, Ramsdell, and Littlefield.

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#### STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS AND RETURNS. — Aldermen Ennis, Gracey, and Tarbox.

ENROLLED ORDINANCES AND RESOLUTIONS. — Aldermen Story, Ennis, and Lapham.

LICENSES. — Aldermen Wilson, Lapham, and Cummings.

POLICE. — The Mayor, Aldermen Wilson and Lapham.

SEWERS. — Aldermen Kilmer, Gracey, and Story.

SPECIAL BUILDING PERMITS. — Aldermen Lapham and Kilmer.

STATE AID. — Aldermen Gracey, Wilson, Story, and Tarbox.

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### STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Thomson, Littlefield, and Brine.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Burns, Cushman, and Boyce.

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### SCHOOL COMMITTEE.

GEORGE O. PROCTOR, Mayor, *Chairman, ex officio*.

CHARLES A. GRIMMONS, President of the Common Council,  
*ex officio*.

(Term, three years.)

#### WARD ONE.

S. NEWTON CUTLER (elected 1897), 28 Flint street.

SANFORD HANSCOM (elected 1896), 3 Webster street.

GEORGE S. POOLE (elected 1898), 46 Mt. Vernon street.

#### WARD TWO.

ALVAH B. DEARBORN (elected 1897), 34 Bow street.

JAMES F. BEARD (elected 1896), 17 Prospect Hill avenue.

FRED W. GILBERT (elected 1898), 101 School street.

#### WARD THREE.

QUINCY E. DICKERMAN (elected 1898), 85 Central street.

FRANK H. HARDISON (elected 1897), 192 Central street.

GEORGE W. W. WHITING (elected 1896), 280 Broadway.

#### WARD FOUR.

MARTIN W. CARR (elected 1896), 74 Craigie street.

GEORGE A. MILES (elected 1897), 249 Elm street.

HENRIETTA B. H. ATTWOOD (elected 1898), 18 Herbert street.



GORDON A. SOUTHWORTH, *Superintendent and Secretary.*

Office, City Hall Annex.

Hours: 8 A. M. to 12 M., and 1.30 to 5 P. M.; Saturdays, 8 to 10.30 A. M.

Regular meetings, last Monday evening of each month.

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**ASSESSORS.**

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1902).

HARRY A. TRUE (term expires 1901).

NATHAN H. REED (term expires 1900).

**ASSISTANT ASSESSORS.**

(Term, one year.)

WARD ONE.

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

FRANK A. TEELE.

*Clerk*, ALBERT B. FALES.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

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**BOARD OF HEALTH.**

(Term, three years.)

ALLEN F. CARPENTER, *Chairman* (term expires 1900).

WILLIAM F. HOLMES, M. D. (term expires 1901).

ALVANO T. NICKERSON (term expires 1902).

*Clerk*, WILLIAM P. MITCHELL.

*Agent*, CALEB A. PAGE.

*Superintendent Collection of Ashes and Offal*, GEORGE W. S. HUSE.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**OVERSEERS OF THE POOR.**

Office, City Hall Annex.

GEORGE O. PROCTOR, Mayor, *Chairman, ex officio.*

(Term, four years.)

EDWARD B. WEST, *President* (term expires 1903).

ALBERT W. EDMANDS (term expires 1901).

HERBERT E. MERRILL (term expires 1902).

JAMES H. BUTLER (term expires 1900).

*Agent*, CHARLES C. FOLSOM.

*Secretary*, CORA F. LEWIS.

Office open : 8 A. M. to 12 M., 1 to 4 P. M. ; Saturdays, 8 A. M.  
to 12 M.

**WATER COMMISSIONERS.**

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1900),  
5 Austin street.

GEORGE A. KIMBALL (term expires 1901),  
33 Warren avenue.

WILLIAM FRANKLIN HALL (term expires 1902),  
345 Broadway.

FRANK E. MERRILL, *Superintendent and Clerk.*

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

**REGISTRARS OF VOTERS.**

(Term : City Clerk, one year ; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1900).

CHARLES P. LINCOLN (term expires 1901).

CHARLES E. PARKS (term expires 1902).

GEORGE I. VINCENT, *City Clerk.*

**TRUSTEES OF THE PUBLIC LIBRARY.**

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1900).

CHARLES A. WEST (term expires 1901).

JOHN B. VIALI (term expires 1902).

EDWARD C. BOOTH (term expires 1901).  
CHRISTOPHER E. RYMES (term expires 1900).  
GEORGE W. PERKINS (term expires 1901).  
CHARLES H. BROWN (term expires 1900.)  
J. FRANK WELLINGTON (term expires 1902).  
CHARLES W. SAWYER (term expires 1902).  
SAM WALTER FOSS, *Librarian and Secretary*.

Library open : 9 A. M. to 6 P. M. ; Wednesdays and Saturdays,  
9 A. M. to 9 P. M.  
Reading room open Sundays from 3 to 7 P. M.

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## CITY OFFICERS.

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### CITY CLERK.

GEORGE I. VINCENT.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

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### CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE.

Office open : 8 A. M. to 2 P. M. ; Saturdays, 8 A. M. to 12 M.

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### MESSENGER TO CITY COUNCIL.

JAIRUS MANN.

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### CITY SOLICITOR.

FRANK W. KAAAN.

50 State street, Boston.

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### CITY AUDITOR.

CHARLES S. ROBERTSON.

City Hall.

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### CITY ENGINEER.

ERNEST W. BAILEY.

Office open : 8 A. M. to 5 P. M. ; Saturdays, 8 A. M. to 12 M.

**CLERK OF COMMITTEES.**

WILLIAM P. MITCHELL.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

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**SUPERINTENDENT OF STREETS.**

JOHN P. PRICHARD.

Office hour : 9 A. M.

---

**INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF PUBLIC BUILDINGS.**

FREDERICK C. FULLER.

Office hours : 8 to 10 A. M.

---

**INSPECTOR OF PLUMBING.**

DUNCAN C. GREENE.

Office hour : 8 to 9 A. M.

---

**SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.**

EDWARD BACKUS.

Office hour : 8.30 to 9.30 A. M.

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**CHIEF OF POLICE.**

MELVILLE C. PARKHURST.

Office, Police Building, Bow street.

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**CHIEF ENGINEER OF THE FIRE DEPARTMENT.**

JAMES R. HOPKINS.

Office, Central Fire Station, 261 Medford street.

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**CITY PHYSICIAN.**ARTHUR R. PERRY, M. D.,  
258 Elm street, 55 Bow street.

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**INSPECTOR OF MILK AND VINEGAR.**CHARLES S. PHILBRICK,  
50 Morrison street.



**INSPECTOR OF ANIMALS AND PROVISIONS.**

CHARLES M. BERRY,  
14 Miller street.

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**SEALER OF WEIGHTS AND MEASURES.**

JOHN H. DUSSEAUTL,  
42 Sargent avenue.

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**FENCE VIEWERS.**

LAMBERT M. MAYNARD,  
90 Highland avenue.

CHARLES M. BERRY,  
14 Miller street.

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**BURIAL AGENTS.**

Under Chapter 279, Acts of 1896.

JAMES F. DAVLIN,  
15 Kingman court.

JOHN H. DUSSEAUTL,  
42 Sargent avenue.

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**CONSTABLES.**

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD MCGARR.

CHRIS. C. CAVANAGH.

EUGENE A. CARTER.

PATRICK J. GARVIN.

CHARLES H. COLGATE.

MELVILLE C. PARKHURST.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

OWEN L. CASEY.

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**MEASURER OF WOOD AND BARK.**

WILLIAM B. HOLMES,  
317 Broadway.

**MEASURERS OF GRAIN.**

JOHN CRAIG.

JAMES MCFADZEAN.

**PUBLIC WEAHER IN CHARGE OF CITY SCALES, UNION SQUARE.**

FULTON O'BRIEN.

**WEIGHERS OF COAL.**

CHARLES H. TUCKER.  
ROBERT A. YERXA.  
FRANK A. TEELE.  
ALFRED A. WALDRON.  
JOEL J. FISHER.  
CHARLES H. WARD.  
H. CARLETON ABBOTT.  
EDGAR H. BARKER.  
WILLIAM HOULAHAN.  
OTTO POWLOWSKI.  
BERT WALBRIDGE.  
CLINTON E. SOMES.

SIDNEY E. HAYDEN.  
IRWIN L. SMITH.  
CHARLES P. BRANN.  
AMHERST F. DURKEE.  
CHARLES E. ROCKWELL.  
C. EDWARD BYRNES.  
JOHN A. MARSH.  
GEORGE H. MOORE.  
JOHN J. MASTERS.  
GEORGE GROGAN.  
ROBERT A. MURRAY.  
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## INDEX.

---

|  |     |
|--|-----|
| Board of Health, report of . . . . .                             | 577 |
| Chief Engineer of Fire Department, report of . . . . .           | 713 |
| City Clerk, report of . . . . .                                  | 787 |
| City Engineer, report of . . . . .                               | 635 |
| City Government and Officers for 1898 . . . . .                  | 5   |
| City Government and Officers for 1899 . . . . .                  | 825 |
| City Physician, report of . . . . .                              | 629 |
| City Solicitor, report of . . . . .                              | 779 |
| City Treasurer and Collector of Taxes, report of . . . . .       | 75  |
| Fire Department, Committee on, report of . . . . .               | 707 |
| Fuel and Street Lights, Committee on, report of . . . . .        | 725 |
| Highways, Committee on, report of . . . . .                      | 677 |
| Inspector of Buildings, report of . . . . .                      | 759 |
| Inspector of Milk and Vinegar, report of . . . . .               | 765 |
| Inspector of Animals and Provisions, report of . . . . .         | 769 |
| Jury List . . . . .  | 803 |
| Mayor's Inaugural Address . . . . .                              | 19  |
| Mayor's Valedictory Address . . . . .                            | 55  |
| Ordinances . . . . .   | 797 |
| Overseers of the Poor, report of . . . . .                       | 613 |
| Public Library, Trustees of, report of . . . . .                 | 247 |
| Public Property, Committee on, report of . . . . .               | 731 |
| School Committee, report of . . . . .                            | 289 |
| Sealer of Weights and Measures, report of . . . . .              | 773 |
| Sewers, Committee on, report of . . . . .                        | 699 |
| Water Commissioners, Board of, report of . . . . .               | 497 |
| Superintendent of Electric Lines and Lights, report of . . . . . | 281 |
| Superintendent of Public Buildings, report of . . . . .          | 753 |











